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NTISUB/C/138-001

LANDSAT

U.S. STANDARD CATALOG

JANUARY 1, 1977

THROUGH

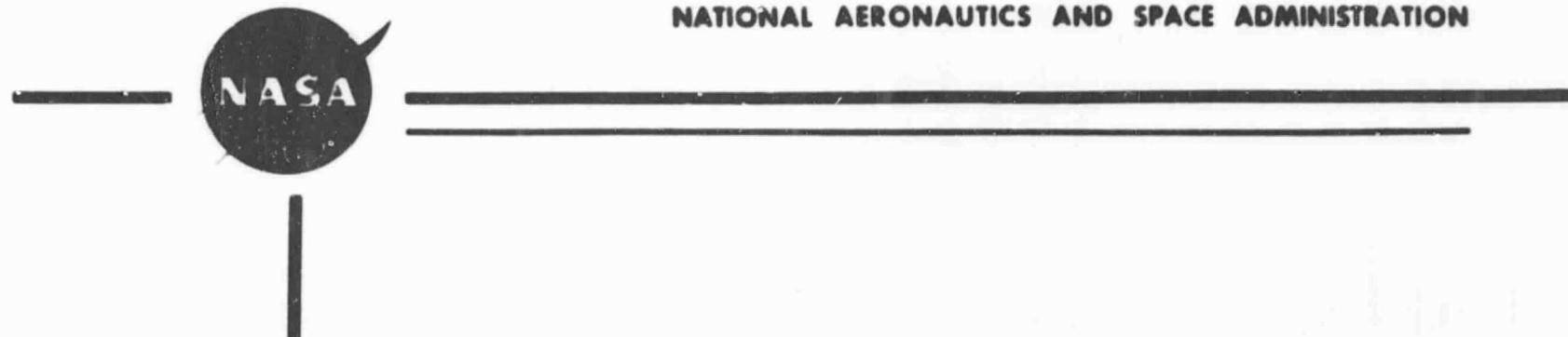
JANUARY 31, 1977

GSFC/LU-C/001

GODDARD SPACE FLIGHT CENTER

GREENBELT, MARYLAND

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



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Single copies \$4.75 (North American Continent) or \$9.50 for addresses outside the North American Continent.

BIBLIOGRAPHIC DATA SHEET		1. Report No. GSFC/LU-C/001	2.	3. Recipient's Accession No. NTISUB/C/138-001
4. Title and Subtitle Landsat U.S. Standard Catalog				5. Report Date 31 January 1977
6.				6.
7. Author(s) N/A		8. Performing Organization Reps. No. N/A		9. Performing Organization Name and Address National Aeronautics and Space Administration Goddard Space Flight Center Code 563 Greenbelt, Maryland 20771
10. Project/Task/Work Unit No. N/A		11. Contract/Grant No. N/A		12. Sponsoring Organization Name and Address same as above
13. Type of Report & Period Covered		14.		
15. Supplementary Notes Published monthly				
16. Abstracts The U.S. Standard Catalog lists U.S. imagery acquired by Landsat 1 and Landsat 2 which has been processed and input to the data files during the referenced month. Data, such as date acquired, cloud cover and image quality are given for each scene. The microfilm roll and frame on which the scene may be found is also given.				
17. Key Words and Document Analysis. 17a. Descriptors				
17b. Identifiers/Open-Ended Terms Landsat (formerly ERTS) ERTS Earth Resources Technology Satellite				
17c. COSATI Field/Group				
18. Availability Statement release unlimited		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 58	
		20. Security Class (This Page) UNCLASSIFIED	22. Price	

REPRODUCED BY
NATIONAL TECHNICAL INFORMATION SERVICE
 U.S. DEPARTMENT OF COMMERCE
 SPRINGFIELD, VA 22161

INTRODUCTION

To provide dissemination of information regarding the availability of Landsat imagery, the Image Processing Facility (IPF), located at the Goddard Space Flight Center, publishes a U. S. and Non-U. S. Standard Catalog on a monthly schedule. These catalogs identify imagery which has been processed and input to the data files during the referenced month. The U. S. Standard Catalog includes imagery covering the continental United States, Alaska and Hawaii; the Non-U. S. Catalog identifies all the remaining coverage. Imagery adjacent to the continental U. S. and Alaska borders will normally appear in the U. S. Standard Catalog. As a supplement to these catalogs, the Landsat imagery of one spectral band is available on 16mm microfilm.

In addition to the routine monthly catalogs, the IPF annually publishes a cumulative U. S. and Non-U. S. Standard Catalog for each satellite, covering a year based on the launch date for that satellite. These catalogs include information on all observations acquired and processed by the facility during that year.

Film products for imagery listed in this catalog are available at a nominal price from all three agencies listed below. In addition, the 16mm microfilm can be purchased from the U. S. Department of the Interior (USDI) EROS Data Center and National Oceanic and Atmospheric Administration (NOAA). Digital tapes can be purchased only from the USDI EROS Data Center.

U. S. Department of Agriculture

**Aerial Photography Field Office
2505 Parley's Way
Salt Lake City, Utah 84109**

U. S. Department of Commerce National Oceanic and Atmospheric Administration

**Environment Data Service
Satellite Data Service Branch
D543
World Weather Building
Room 606
Washington, D. C. 20233**

U. S. Department of the Interior Geological Survey

**User Services Unit
EROS Data Center
Sioux Falls, South Dakota 57196**

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SECTION 1 - STANDARD CATALOG

1.1 MONTHLY CATALOGS

The coverage sections contained in the monthly U.S. and Non-U.S. Standard Catalogs are divided into three parts. Part 1 (see Para. 1.1,A) consists of annotated maps which graphically depict the geographic areas covered by imagery listed in the current catalog. Part 2 (see Para. 1.1,B) contains a computer generated listing organized by observation identification number (ID) and includes pertinent information about each image. Part 3 (see Para. 1.1,C) provides a computer listing of observations organized by longitude/latitude.

- A. Satellite Coverage Maps. These maps are segregated by cycle and depict the general location of observations listed in the catalog. The format and data content of these maps are slightly different in the U.S. and Non-U.S. catalogs.
 1. U.S. Satellite Coverage Maps. Two separate map formats are presented in this catalog. One map outlines the continental U.S. and depicts the estimated cloud cover along each north to south subsatellite path. Each path is identified by actual orbit number and a cross reference, which matches the orbit number to the initial observation ID for that path. The second map provides an enlarged view of Alaska and Hawaii and displays the portion of an orbital pass for which coverage is available. This map does not include cloud cover estimates or orbit numbers.
 2. Non-U.S. Satellite Coverage Map. A world outline map is provided with the portions of an orbital swath for which observations are available graphically displayed. This map is intended solely to inform the user as to whether or not coverage is included in the catalog for his area of interest. It is not intended as a rapid reference to specific observations.
- B. Observation Identification Number (ID) Listing. The data format for the observation ID listing is identical in the U.S. and Non-U.S. Catalogs. Observation ID numbers are listed in a sequential manner from smallest number to largest. Associated with each ID number in the list is pertinent information about that observation. A sample catalog page with a description of each data item is shown in Figure 1-1.

1. Sample Observation ID Format. See Figure 1-1.

① OBSERVATION ID	② MICROFILM ROLL NO POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT ON IMAGE	SUN ELAT	SUN AZIM	⑩ IMAGE QUALITY	
	RBV	MSS							RBV	MSS
1963-16361	00000-0000	1-10034-0565	02 21 75	100	3149	47 28N	098 15W	25 3	144 8	GOOD
1963-16363	00000-0000	1-10034-0566	02 21 75	100	3149	46 08N	098 19W	26 3	143 9	GOOD
1963-16390	00000-0000	1-10034-0567	02 21 75	100	3149	44 08N	099 23W	27 2	143 0	GOOD
1963-16392	00000-0000	1-10034-0568	02 21 75	70	3149	43 13N	099 55W	28 2	142 1	GOOD
1963-16395	00000-0000	1-10034-0569	02 21 75	40	3149	41 47N	100 26W	29 1	141 2	GOOD
1964-16432	00000-0000	1-10034-0606	02 22 75	40	3163	48 54N	099 19W	24 7	145 5	GOOD
1964-16435	00000-0000	1-10034-0607	02 22 75	90	3163	47 30N	099 19W	25 6	144 6	GOOD
1964-16441	00000-0000	1-10034-0608	02 22 75	30	3163	46 05N	100 14W	26 6	143 7	GOOD

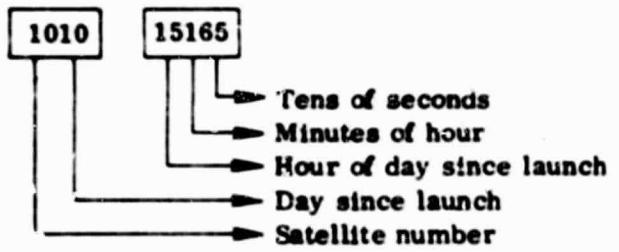
③ KEY
 CLOUD COVER
 • 0 TO 100 + % OF CLOUD COVER
 • 00 NO CLOUD DATA AVAILABLE

IMAGE QUALITY
 • BLANK + BAND NOT REQUESTED
 • G + GOOD F = FAIR

Figure 1-1. Observation ID Listing for Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Data quality
- ④ Observation ID



(1 or 5 = LANDSAT 1,
 2 or 6 = LANDSAT 2);
 see Appendix for full
 explanation

- ⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑥ Date of observation
- ⑦ Estimated percent of cloud cover
- ⑧ Orbit number
- ⑨ Latitude and longitude at observation center (degrees and minutes)
- ⑩ Sun elevation and azimuth at observation center
- ⑪ Image quality; see key

C. Longitude/Latitude Listing. The data format for the longitude/latitude listing is identical in the U.S. and Non-U.S. Catalogs. This listing contains the same observations as the observation ID listing but organizes them by coordinates, using image center location information for each observation. Observations in this listing will be sorted first by longitude and, within longitude, by latitude. The longitude/latitude listing is arranged in the following manner:

180-0 degrees East; 90-0 degrees North and 0-90 degrees South
followed by

0-180 degrees West; 90-0 degrees North and 0-90 degrees South

This listing is intended to be used as a tool for locating specific coverage, and once a specific observation has been identified, pertinent information about it can be found by referring to the ID listing.

Figure 1-2 below shows a sample catalog page with a description of each data item.

1. Sample Longitude/Latitude Format. See Figure 1-2.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

Figure 1-2. Coordinate Listing for Standard Catalog

2. Description of Data Items

- (1) Date of catalog listing
- (2) Period during which imagery was processed
- (3) Longitude and latitude at observation center (degrees and minutes)
- (4) Observation ID (see Fig. 1-1, Para. 1.1, B,2)
- (5) Estimated percent of cloud cover
- (6) Image quality; see key
- (7) Data quality

1.2 CUMULATIVE STANDARD CATALOGS

Annually, a cumulative catalog is produced which includes information covering all observations and coordinates acquired and processed by the IPF during that year.

A. Observation ID Listing.

1. Sample Observation ID Format. See Figure 1-1.
2. Description of Data Items. See Paragraph 1.1, B, 2.

B. Coordinate ID Listing. The coordinate ID listing format is expanded to identify observations for which color or digital products have been made.

1. Sample Coordinate ID Format. See Figure 1-3.

		① 15 36 MAR 11, '74				② FROM 07/23/72 TO 07/23/74					
⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳
PRINCIPAL POINT OF IMAGE	OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	SUN ELEV	SUN AZIM	IMAGE QUALITY	RBV	MSS	PRODUCTS
LONG	LAT	RBV MSS		%					123	45678	B P P B P C C D D
07607W	3734N	1295-15144	00000/0000	10010/1659	05/14/73	20	4112	60.2	122.0	GGGG	M
07607W	3731N	1259-15150	00000/0000	10010/0088	04/08/73	90	3610	50.7	133.2	GGGG	M
07607W	3731N	1313-15143	00000/0060	10011/0920	06/01/73	80	4363	62.3	116.2	GGGG	M
07608W	4438N	1027-15231	00000/0000	1-10001/1498	08/19/72	0	375	50.9	136.9	GGGG	M M
07608W	3731N	1331-15142	00000/0000	1-10011/1589	06/19/73	100	4614	62.4	112.8	GGGG	
07608W	3724N	1349-15141	00000/0000	1-10012/1387	07/07/73	10	4865	61.2	112.9	PGPP	M M
07609W	4851N	1352-15275	00000/0000	1-10012/1622	07/10/73	60	4907	56.7	133.9	G	
07609W	3144N	1606-15093	1-10001/0377	1-10001/0378	07/29/72	100	82	59.7	108.3	GGG	PGGG

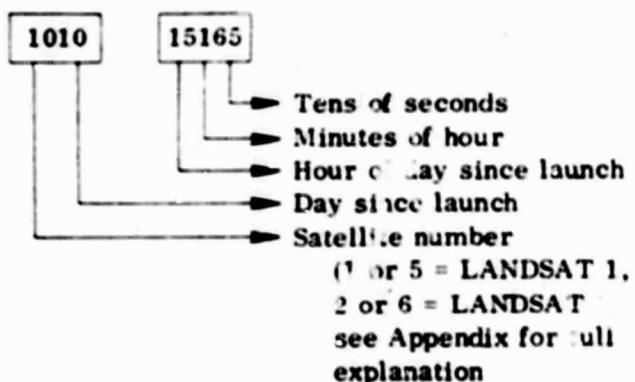
③ KEY

CLOUD COVER	IMAGE QUALITY	PRODUCTS ALREADY MADE
● 0 TO 100 = % OF CLOUD COVER	● BLANK = BAND NOT PRESENT/REQUESTED	● R = MADE FROM RBV M = MADE FROM MSS
	● G = GOOD P = POOR F = FAIR	● B = MADE FROM RBV AND MSS

Figure 1-3. Coordinate Listing for Cumulative Standard Catalog

2. Description of Data Items

- (1) Date of catalog listing
- (2) Period during which imagery was processed
- (3) Data quality
- (4) Observation ID



- (5) RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- (6) Date of observation
- (7) Estimated percent of cloud cover
- (8) Orbit number
- (9) Latitude and longitude at observation center (degrees and minutes)
- (10) Sun elevation and azimuth at observation center
- (11) Image quality: see key
- (12) Image/data product availability; see key

SECTION 2 - MICROFILM

2.1 GENERAL

The Image Processing Facility produces a 16 mm microfilm inventory of imagery processed during the referenced month and is organized for convenient use with the Standard Catalog.

As in the case of the Standard Catalog, the microfilm data is divided into U.S. and Non-U.S. segments. Each set of microfilm images is in exact correspondence to a Standard Catalog and can be used in conjunction with the catalog for selecting desired images. A maximum of 1900 images will be contained on one roll of 16 mm x 100 ft microfilm. Because the microfilm images are intended to provide only a summary of the data available, the images are limited to one band each for the RBV and MSS. Although a single observation will produce seven images, in the production of microfilm only the RBV Spectral Band 2 images (0.580 - 0.680 microns) and MSS Spectral Band 2 images (0.6 - 0.7 microns) are reproduced. Each image is a photograph of a 70 mm (-2) image and contains the image identifier and annotation block. See Figure 2-1.

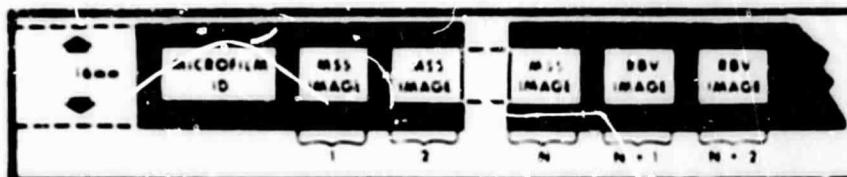


Figure 2-1. Microfilm Format

Microfilm roll numbers contain six digits. The first digit designates the satellite number (blank or 1 - LANDSAT 1, 2 - = ANDSAT 2). Example: Roll number 10032 and roll number 1-10034 are both LANDSAT 1 rolls. Roll 2-10032 is a LANDSAT 2 roll. The second digit will be a 1 (for U.S. rolls) or a 2 (for Non-U.S. rolls). The remaining digits are used to number sequentially all microfilm rolls prepared within each group. Example: Roll number 10001 is the first U.S. roll of microfilm produced for LANDSAT 1. Roll number 20004 is the fourth Non-U.S. roll to be produced for LANDSAT 1. The first U.S. roll of microfilm for LANDSAT 2 is number 2-10001.

The microfilm contains two rapid search capabilities to help the user quickly reach the desired scene. They are:

- **Code Line Indexing**
- **Blip Encoding**

2.2 CODE LINE INDEXING

The Landsat microfilm images have been annotated with visual code lines to the right of each frame. The visual code lines graduate up the edge of the screen as the film advances and allow the user to advance rapidly to within 20 frames of his desired image. See Figure 2-2.

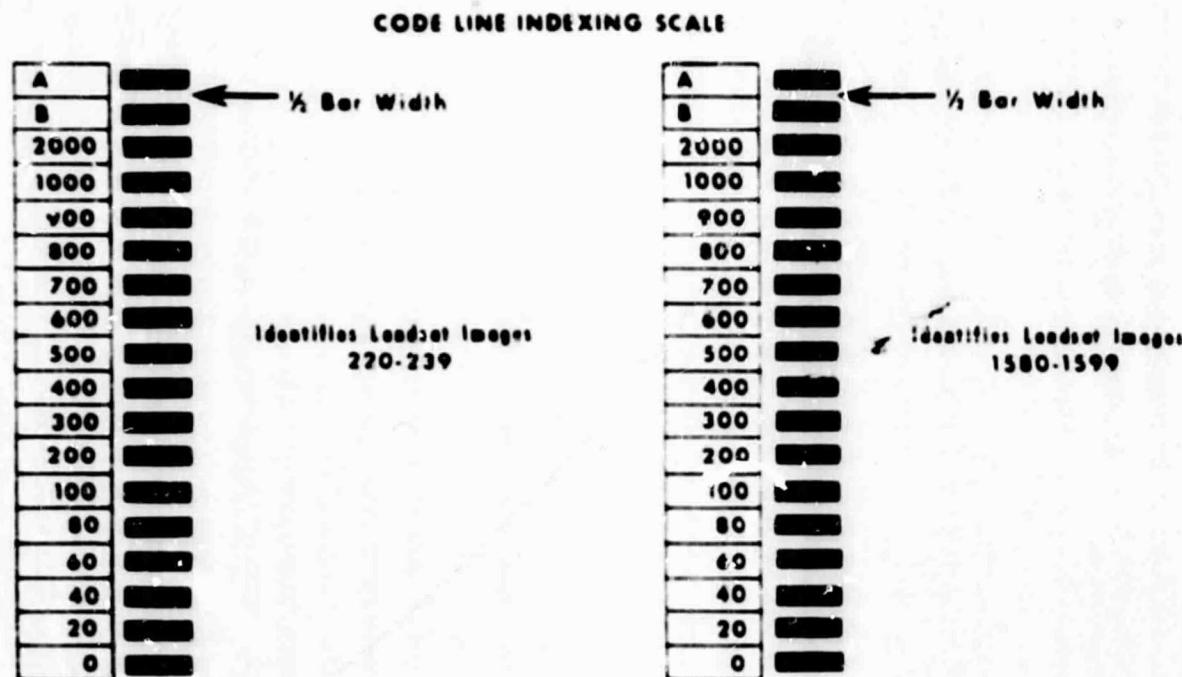


Figure 2-2. Code Line Indexing Scale

To utilize this system, a user must generate a code line indexing bar scale to attach to the face of his viewers. The size and spacing for the bar scale is dependent upon the magnification of his viewer. Landsat imagery is microfilmed at a reduction ratio of 5.5x. To determine the overall length of a scale required for your microfilm reader, multiply 7.4 mm by the enlargement factor of your lens. To determine the bar widths along the bar scale, Multiply 0.24 mm by the same factor. A space between each bar should exist that is 1/2 the bar width.

2.3 BLIP ENCODING

The LANDSAT microfilm images have also been annotated with a blip (black spot) at the base of each frame. This type of encoding is designed for use on readers with an electronic sensing and counting capability or an odometer. To use the blip encoding retrieval system, the film will have to be placed in a cartridge. When the cartridge is placed in a reader which contains an odometer or has a keyboard attached, the identification of the desired image is obtained from the Standard Catalog (column 6, Microfilm Position) and either punched on the keyboard or read via the odometer as the film advances. Using a reader configured for rapid search and retrieval, the film advances and the frames (blips) are counted by means of a photosensing light. When the appropriate number has been counted, the reader stops and the desired image is projected on the screen. Using a reader with an odometer requires the user to monitor the odometer as the film advances and stop the advance of the film in the vicinity of the required frame.

SECTION 3 - CYCLE CHARTS
SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 8 days	1	8	24 Jul 72	31 Jul 72	16	279	296	28 Apr 73	15 May 73
1	9	26	1 Aug 72	18 Aug 72	17	297	314	16 May 73	2 Jun 73
2	27	44	19 Aug 72	5 Sep 72	18	315	332	3 Jun 73	20 Jun 73
3	45	62	6 Sep 72	23 Sep 72	19	333	350	21 Jun 73	8 Jul 73
4	63	80	24 Sep 72	11 Oct 72	20	351	368	9 Jul 73	26 Jul 73
5	81	98	12 Oct 72	29 Oct 72	21	369	386	27 Jul 73	13 Aug 73
6	99	116	30 Oct 72	16 Nov 72	22	387	404	14 Aug 73	31 Aug 73
7	117	134	17 Nov 72	4 Dec 72	23	405	422	1 Sep 73	18 Sep 73
8	135	152	5 Dec 72	22 Dec 72	24	423	440	19 Sep 73	6 Oct 73
9	153	170	23 Dec 72	9 Jan 73	25	441	458	7 Oct 73	24 Oct 73
10	171	188	10 Jan 73	27 Jan 73	26	459	476	25 Oct 73	11 Nov 73
11	189	206	28 Jan 73	14 Feb 73	27	477	494	12 Nov 73	29 Nov 73
12	207	224	15 Feb 73	4 Mar 73	28	495	512	30 Nov 73	17 Dec 73
13	225	242	5 Mar 73	22 Mar 73	29	513	530	18 Dec 73	4 Jan 74
14	243	260	23 Mar 73	9 Apr 73	30	531	548	5 Jan 74	22 Jan 74
15	261	278	10 Apr 73	27 Apr 73	31	549	566	23 Jan 74	9 Feb 74

SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
32	567	584	10 Feb 74	27 Feb 74	48	855	872	25 Nov 74	12 Dec 74
33	585	602	28 Feb 74	17 Mar 74	49	873	890	13 Dec 74	30 Dec 74
34	603	620	18 Mar 74	4 Apr 74	50	891	908	31 Dec 74	17 Jan 75
35	621	638	5 Apr 74	22 Apr 74	51	909	926	18 Jan 75	4 Feb 75
36	639	656	23 Apr 74	11 May 74	52	927	944	5 Feb 75	22 Feb 75
37	657	674	12 May 74	28 May 74	53	945	962	23 Feb 75	12 Mar 75
38	675	692	29 May 74	15 Jun 74	54	963	980	13 Mar 75	30 Mar 75
39	693	710	16 Jun 74	3 Jul 74	55	981	998	21 Mar 75	17 Apr 75
40	711	728	4 Jul 74	21 Jul 74	56	999	1016	18 Apr 75	5 May 75
41	729	746	22 Jul 74	8 Aug 74	57	1017	1034	6 May 75	23 May 75
42	747	764	9 Aug 74	26 Aug 74	58	1035	1052	24 May 75	10 Jun 75
43	765	782	27 Aug 74	13 Sep 74	59	1053	1070	11 Jun 75	28 Jun 75
44	783	800	14 Sep 74	1 Oct 74	60	1071	1088	29 Jun 75	16 Jul 75
45	801	818	2 Oct 74	19 Oct 74	61	1089	1106	17 Jul 75	3 Aug 75
46	819	836	20 Oct 74	6 Nov 74	62	1107	1124	4 Aug 75	21 Aug 75
47	837	854	7 Nov 74	24 Nov 74	63	1125	1142	22 Aug 75	8 Sep 75

SECTION 3.1 – LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
64	1143	1160	9 Sep 75	26 Sep 75	80	1431	1448	23 Jun 76	10 Jul 76
65	1161	1178	27 Sep 75	14 Oct 75	81	1449	1466	11 Jul 76	28 Jul 76
66	1179	1196	15 Oct 75	1 Nov 75	82	1467	1484	29 Jul 76	15 Aug 76
67	1197	1214	2 Nov 75	19 Nov 75	83	1485	1502	16 Aug 76	2 Sep 76
68	1215	1232	20 Nov 75	7 Dec 75	84	1503	1520	3 Sep 76	20 Sep 76
69	1233	1250	8 Dec 75	25 Dec 75	85	1521	1538	21 Sep 76	8 Oct 76
70	1251	1268	26 Dec 75	12 Jan 76	86	1539	1556	9 Oct 76	26 Oct 76
71	1269	1286	13 Jan 76	30 Jan 76	87	1557	1574	27 Oct 76	13 Nov 76
72	1287	1304	31 Jan 76	17 Feb 76	88	1575	1592	14 Nov 76	1 Dec 76
73	1305	1322	18 Feb 76	6 Mar 76	89	1593	1610	2 Dec 76	19 Dec 76
74	1323	1340	7 Mar 76	24 Mar 76	90	1611	1628	20 Dec 76	6 Jan 77
75	1341	1358	25 Mar 76	11 Apr 76	91	1629	1646	7 Jan 77	24 Jan 77
76	1359	1376	12 Apr 76	29 Apr 76	92	1647	1664	25 Jan 77	11 Feb 77
77	1377	1394	30 Apr 76	17 May 76	93	1665	1682	12 Feb 77	1 Mar 77
78	1395	1412	18 May 76	4 Jun 76	94	1683	1700	2 Mar 77	19 Mar 77
79	1413	1430	5 Jun 76	22 Jun 76	95	1701	1718	20 Mar 77	6 Apr 77

SECTION 3.2 - LANDSAT 2 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 22 days	1	2	22 Jan 75	13 Feb 75	19	347	364	4 Jan 76	21 Jan 76
1	23	40	14 Feb 75	3 Mar 75	20	365	382	22 Jan 76	8 Feb 76
2	41	58	4 Mar 75	21 Mar 75	21	383	400	9 Feb 76	26 Feb 76
3	59	76	22 Mar 75	8 Apr 75	22	401	418	27 Feb 76	15 Mar 76
4	77	94	9 Apr 75	26 Apr 75	23	419	436	16 Mar 76	2 Apr 76
5	95	112	27 Apr 75	14 May 75	24	437	454	3 Apr 76	20 Apr 76
6	113	130	15 May 75	1 Jun 75	25	455	472	21 Apr 76	8 May 76
7	131	148	2 Jun 75	19 Jun 75	26	473	490	9 May 76	26 May 76
8	149	158	20 Jun 75	7 Jul 75	27	491	508	27 May 76	13 Jun 76
9	167	184	8 Jul 75	25 Jul 75	28	509	526	14 Jun 76	1 Jul 76
10	185	202	26 Jul 75	12 Aug 75	29	527	544	2 Jul 76	19 Jul 76
11	203	220	13 Aug 75	30 Aug 75	30	545	562	20 Jul 76	6 Aug 76
12	221	238	31 Aug 75	17 Sep 75	31	563	580	7 Aug 76	24 Aug 76
13	239	256	18 Sep 75	5 Oct 75	32	581	598	25 Aug 76	11 Sep 76
14	257	274	6 Oct 75	23 Oct 75	33	599	616	12 Sep 76	29 Sep 76
15	275	292	24 Oct 75	10 Nov 75	34	617	634	30 Sep 76	17 Oct 76
16	293	310	11 Nov 75	28 Nov 75	35	635	652	18 Oct 76	4 Nov 76
17	311	328	29 Nov 75	16 Dec 75	36	653	670	5 Nov 76	22 Nov 76
18	329	346	17 Dec 75	3 Jan 76	37	671	688	23 Nov 76	10 Dec 76

0013

SECTION 4
LANDSAT 1 COVERAGE

0015

NO LANDSAT 1 DATA HAS BEEN ACQUIRED DURING DECEMBER.

0017

SECTION 5
LANDSAT 2 COVERAGE

0019

**LANDSAT 2
OBSERVATION ID LISTING**

16133 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
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OBSERVATION ID	MICROFILM REEL NO./ POSITION IN REEL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	PRINCIPAL PRINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS RSV MSS DATA IMAGE	MSS 123 45678 MODE GAIN
						LAT	LONG		RSV
2701-14240	00000/0000 2-10026/0001	12/23/76	30	9773	4730N	06631W	140.0	151.5	RGGG
2701-14243	00000/0000 2-10026/0002	12/23/76	80	9773	4605N	06706W	15.1	150.9	FFGG
2701-14245	00000/0000 2-10026/0006	12/23/76	70	9773	4440N	06740W	16.2	150.3	GR
2701-14252	00000/0000 2-10026/0003	12/23/76	90	9773	4316N	06813W	17.2	149.7	FGR
2701-14254	00000/0000 2-10026/0004	12/23/76	90	9773	4149N	06845W	18.3	149.1	FFGF
2701-14261	00000/0000 2-10026/0005	12/23/76	80	9773	4023N	06916W	19.4	148.5	FFGG
2705-14465	00000/0000 2-10026/0007	12/27/76	60	9829	4732N	07218W	13.9	151.0	FGGG
2705-14471	00000/0000 2-10026/0008	12/27/76	40	9829	4607N	07252W	15.0	150.4	RGGG
2705-14474	00000/0000 2-10026/0009	12/27/76	10	9829	4442N	07326W	16.1	149.8	RGGG
2705-14483	00000/0000 2-10026/0010	12/27/76	10	9829	4316N	07358W	17.1	149.2	GGGG
2705-14485	00000/0000 2-10026/0011	12/27/76	30	9829	4024N	07500W	19.2	148.0	GGG1
2705-14492	00000/0000 2-10026/0012	12/27/76	10	9829	3859N	07529W	20.3	147.4	FGGG
2705-14494	00000/0000 2-10026/0013	12/27/76	20	9829	3733N	07558W	21.3	146.8	RGGG
2705-14501	00000/0000 2-10026/0014	12/27/76	10	9829	3607N	07625W	22.4	146.1	RGGG
2705-14503	00000/0000 2-10026/0015	12/27/76	10	9829	3461N	07652W	23.4	145.5	GGP3
2705-14510	00000/0000 2-10026/0016	12/27/76	20	9829	3315N	07718W	24.4	144.9	FGGG
2705-14512	00000/0000 2-10026/0017	12/27/76	20	9829	3149N	07744W	25.4	144.2	RGGG
2705-14515	00000/0000 2-10026/0018	12/27/76	30	9829	3022N	07809W	26.4	143.5	GGGG
2705-14521	00000/0000 2-10026/0019	12/27/76	40	9829	2856N	07833W	27.4	142.8	GGGG
2705-14524	00000/0000 2-10026/0020	12/27/76	30	9829	2730N	07857W	28.4	142.1	GGG1
2705-14530	00000/0000 2-10026/0021	12/27/76	30	9829	2603N	07920W	29.4	141.4	GGGG
2705-14601	00000/0000 2-10026/0022	12/27/76	90	9830	4732N	09806W	13.9	151.0	GGGF
2705-14603	00000/0000 2-10026/0023	12/27/76	90	9830	4606N	09841W	15.0	150.4	FGGF
2705-14610	00000/0000 2-10026/0024	12/27/76	90	9830	4461N	09915W	16.1	149.8	FGGG
2705-14612	00000/0000 2-10026/0025	12/27/76	10	9830	4316N	09947W	17.1	149.2	RGGG
2705-14615	00000/0000 2-10026/0026	12/27/76	40	9830	4151N	10018W	18.2	148.6	GGGG
2705-14621	00000/0000 2-10026/0027	12/27/76	70	9830	4025N	10048W	19.2	148.0	GGGG
2705-14624	00000/0000 2-10026/0028	12/27/76	30	9830	3900N	10117W	20.3	147.4	GGGG
2705-14630	00000/0000 2-10026/0029	12/27/76	70	9830	3734N	10145W	21.3	146.8	GGGF
2705-14633	00000/0000 2-10026/0030	12/27/76	60	9830	3608N	10213W	22.4	146.1	GGGG
2705-14635	00000/0000 2-10026/0031	12/27/76	30	9830	3462N	10279W	23.4	145.5	GGGG
2705-14642	00000/0000 2-10026/0032	12/27/76	10	9830	3164N	10315W	24.4	144.9	GGGG
2705-14644	00000/0000 2-10026/0033	12/27/76	10	9830	3130N	10318W	25.4	144.2	GGGG
2705-14651	00000/0000 2-10026/0034	12/27/76	0	9830	3023N	10356W	26.4	143.5	GGGG
2705-14653	00000/0000 2-10026/0035	12/27/76	0	9830	2857N	10421W	27.4	142.8	GGGG
2705-14660	00000/0000 2-10026/0036	12/27/76	0	9830	2731N	10445W	28.4	142.1	GGGG

KEYS: CLOUD COVER 3 0 TO 100 % CLOUD COVER.
 IMAGE DUALITY BLANK=NO BAND NOT AVAILABLE. G=GOOD. P=Poor. F=Fair.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICRFILE RELI. NR./ POSITION IN RELI. RBV MSS	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL MSS		MSS
						LAT	LNG	RBV	MSS DATA	IMAGE GAIN
2705-18132	00000/0000 2-10026/0037	12/27/76	70	9831	47324	12355W	13.9	151.0		RRG
2705-18135	00000/0000 2-10026/0038	12/27/76	50	9831	46064	12430W	15.0	150.4		RRGR
2705-18141	00000/0000 2-10026/0039	12/27/76	40	9831	46414	12504W	14.1	149.8		FGR
2705-18144	00000/0000 2-10026/0040	12/27/76	60	9831	43154	12536W	17.1	149.2		RGR
2705-18150	00000/0000 2-10026/0041	12/27/76	60	9831	41504	12607W	18.2	148.6		GG
2706-14523	00000/0000 2-10026/0042	12/28/76	0	9843	47314	07344W	13.9	150.9		RRGG
2706-14530	00000/0000 2-10026/0043	12/28/76	0	9843	46064	07419W	15.0	150.3		RRGG
2706-14532	00000/0000 2-10026/0044	12/28/76	10	9843	46414	07452W	16.1	149.7		RRGG
2706-14535	00000/0000 2-10026/0045	12/28/76	80	9843	43154	07525W	17.1	149.1		RRGG
2706-14541	00000/0000 2-10026/0046	12/28/76	100	9843	41504	07556W	18.2	148.5		RRGG
2706-14544	00000/0000 2-10026/0047	12/28/76	90	9843	40254	07626W	19.2	147.9		RRGG
2706-14550	00000/0000 2-10026/0048	12/28/76	50	9843	38594	07655W	20.3	147.2		RRGG
2706-14553	00000/0000 2-10026/0049	12/28/76	60	9843	37334	07724W	21.3	146.6		RRGG
2706-14555	00000/0000 2-10026/0050	12/28/76	30	9843	36064	07752W	22.4	146.0		RGGG
2706-14562	00000/0000 2-10026/0051	12/28/76	90	9843	34404	07819W	23.4	145.4		RRGG
2706-14564	00000/0000 2-10026/0052	12/28/76	90	9843	33144	07844W	24.4	144.7		RGGF
2706-14571	00000/0000 2-10026/0053	12/28/76	80	9843	31484	07910W	25.4	144.1		RRGG
2706-14573	00000/0000 2-10026/0054	12/28/76	70	9843	30224	07934W	26.4	143.6		RRGG
2706-14580	00000/0000 2-10026/0055	12/28/76	60	9843	28564	07959W	27.4	142.7		RRGG
2706-14582	00000/0000 2-10026/0056	12/28/76	20	9843	27294	08022W	28.4	142.0		RRGG
2706-16364	00000/0000 2-10026/0057	12/28/76	90	9844	44414	10042W	16.1	149.7		RRF
2706-16370	00000/0000 2-10026/0058	12/28/76	80	9844	43154	10114W	17.1	149.0		RRG
2706-16373	00000/0000 2-10026/0059	12/28/76	10	9844	41694	10145W	18.2	148.4		RRG
2706-16375	00000/0000 2-10026/0060	12/28/76	0	9844	40244	10215W	19.2	147.8		FFG
2706-16382	00000/0000 2-10026/0061	12/28/76	0	9844	39584	10244W	20.3	147.2		RRG
2706-16384	00000/0000 2-10026/0062	12/28/76	0	9844	37324	10312W	21.3	146.6		RRG
2706-16391	00000/0000 2-10026/0063	12/28/76	0	9844	36074	10340W	22.4	146.0		RRG
2706-16393	00000/0000 2-10026/0064	12/28/76	0	9844	34424	10406W	23.4	145.4		RRG
2706-16400	00000/0000 2-10026/0065	12/28/76	10	9844	33144	10432W	24.4	144.7		RRGG
2706-16402	00000/0000 2-10026/0066	12/28/76	30	9844	31484	10458W	25.4	144.0		RRGG
2706-16405	00000/0000 2-10026/0067	12/28/76	60	9844	30224	10523W	26.4	143.4		RRGG
2706-16411	00000/0000 2-10026/0068	12/28/76	60	9844	28564	10547W	27.4	142.7		RRGG
2707-14581	00700/0000 2-10026/0099	12/29/76	90	9857	47304	07509W	13.9	150.7		RGGF
2707-14584	00300/0000 2-10026/0100	12/29/76	60	9857	46054	07544W	15.0	150.1		FGR
2707-14590	00500/0000 2-10026/0101	12/29/76	90	9857	44404	07618W	16.1	149.5		RRGG
2707-14593	00300/0000 2-10026/0102	12/29/76	80	9857	43154	07650W	17.1	148.9		RRG

KEYS: CLOUD COVER % 0 TO 100 % CLOUD COVER,
 IMAGE QUALITY BLANKS-BAND NOT AVAILABLE, P=Poor, R=Fair.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM REEL NO./ POSITION IN REEL	DATE ACQUIRED	CLOUD ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS		MSS
					LAT	LONG	RRV	MSS	DATA MODE
2707-14595	00000/0000	2-10026/0103	12/29/76	50 9857	3149N	07721W	18.2	148.3	RRG
2707-15002	00000/0000	2-10026/0104	12/29/76	50 9857	4023N	07752W	19.3	147.7	RRGR
2707-15004	00000/0000	2-10026/0105	12/29/76	70 9857	3858N	07821W	20.3	147.1	RRGR
2707-15011	00000/0000	2-10026/0106	12/29/76	60 9857	3732N	07849W	21.3	146.5	RRGR
2707-15013	00000/0000	2-10026/0107	12/29/76	40 9857	3606N	07917W	22.4	145.8	RRGR
2707-15020	00000/0000	2-10026/0108	12/29/76	10 9857	3440N	07953W	23.4	145.2	RRGR
2707-15022	00000/0000	2-10026/0109	12/29/76	0 9857	3314N	08005W	24.4	144.6	RRGF
2707-15025	00000/0000	2-10026/0110	12/29/76	10 9857	3147N	08035W	25.4	143.9	RRGR
2707-15031	00000/0000	2-10026/0111	12/29/76	10 9857	3021N	08100W	26.4	143.2	RRGR
2707-15034	00000/0000	2-10026/0112	12/29/76	10 9857	2854N	08124W	27.4	142.5	RGFR
2707-16410	00000/0000	2-10026/0069	12/29/76	90 9858	4856N	10022W	12.9	151.3	RRGR
2707-16413	00000/0000	2-10026/0070	12/29/76	90 9858	4721N	10059W	14.0	150.7	RRGR
2707-16415	00000/0000	2-10026/0071	12/29/76	80 9858	4605N	10134W	15.0	150.1	RRGR
2707-16422	00000/0000	2-10026/0072	12/29/76	30 9858	4440N	10208W	16.1	149.5	RRGR
2707-16424	00000/0000	2-10026/0073	12/29/76	50 9858	4315N	10240W	17.1	148.3	RRGR
2707-16431	00000/0000	2-10026/0074	12/29/76	10 9858	4149N	10311W	18.2	148.3	RRGR
2707-16433	00000/0000	2-10026/0075	12/29/76	10 9858	4023N	10342W	19.3	147.7	RRGG
2707-16440	00000/0000	2-10026/0076	12/29/76	20 9858	3858N	10411W	20.3	147.1	RRGG
2707-16442	00000/0000	2-10026/0077	12/29/76	20 9858	3732N	10439W	21.3	146.5	RRR
2707-16445	00000/0000	2-10026/0078	12/29/76	10 9858	3606N	10506W	22.4	145.8	RRGR
2707-16451	00000/0000	2-10026/0079	12/29/76	0 9858	3440N	10532W	23.4	145.2	RRGR
2707-16454	00000/0000	2-10026/0080	12/29/76	30 9858	3314N	10558W	24.4	144.5	RRGR
2707-16460	00000/0000	2-10026/0081	12/29/76	80 9858	3148N	10624W	25.4	143.9	RRGG
2707-16463	00000/0000	2-10026/0082	12/29/76	80 9858	3022N	10649W	26.4	143.2	RRGR
2708-15013	00000/0000	2-10026/0113	12/30/76	70 9871	4854N	07558W	12.9	151.2	RRGR
2708-15043	00000/0000	2-10026/0114	12/30/76	10 9871	4720N	07634W	14.0	150.6	RRGG
2708-15042	00000/0000	2-10026/0115	12/30/76	10 9871	4605N	07709W	15.0	150.0	RRGG
2708-15045	00000/0000	2-10026/0116	12/30/76	10 9871	4439N	07743W	16.1	149.4	RRGG
2708-15051	00000/0000	2-10026/0117	12/30/76	20 9871	4314N	07815W	17.2	148.8	RGFR
2708-15054	00000/0000	2-10026/0118	12/30/76	30 9871	4148N	07847W	18.2	148.2	RRGG
2708-15060	00000/0000	2-10026/0119	12/30/76	40 9871	4023N	07917W	19.3	147.6	RRGR
2708-15063	00000/0000	2-10026/0120	12/30/76	50 9871	3857N	07946W	20.3	146.9	RRGR
2708-15065	00000/0000	2-10026/0121	12/30/76	10 9871	3730N	08015W	21.3	146.3	RRGG
2708-15072	00000/0000	2-10026/0122	12/30/76	0 9871	3604N	08043W	22.4	145.7	RRGG
2708-15074	00000/0000	2-10026/0123	12/30/76	0 9871	3438N	08110W	23.4	145.1	RRGR
2708-15081	00000/0000	2-10026/0124	12/30/76	10 9871	3312N	08136W	24.4	144.4	RRGG

REVISI CLOUD COVER % 0 TO 100 % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. GOOD. POOR. FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, HIGH GAIN

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OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILE NAME	POSITION IN FILE	DATE ACQUIRED	CLOUD COVER %	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE QUALITY		MSS DATA MODE	MSS IMAGE GAIN
								RSV	MSS		
2708-15083	00000/0000	2-10024/0125	12/30/76	10	9871	3146N	08201W	25.4	143.7	GGGG	
2708-15090	00000/0000	2-10024/0126	12/30/76	20	9871	3020N	08226W	26.4	143.1	GGGG	
2708-15097	00000/0000	2-10026/0127	12/30/76	40	9871	2856N	08250W	27.4	142.4	GGGG	
2708-16465	00000/0000	2-10026/0083	12/30/76	80	9872	4855N	10148W	12.9	151.2	GGGG	
2708-16471	00000/0000	2-10026/0084	12/30/76	40	9872	4730N	10225W	14.0	150.6	GGGG	
2708-16474	00000/0000	2-10026/0085	12/30/76	10	9872	4605N	10301W	15.0	150.0	GGGG	
2708-16480	00000/0000	2-10026/0086	12/30/76	10	9872	4439N	10335W	16.1	149.4	GGGG	
2708-16483	00000/0000	2-10026/0087	12/30/76	10	9872	4313N	10407W	17.2	148.8	GGGG	
2708-16485	00000/0000	2-10026/0088	12/30/76	80	9872	4148N	10439W	18.2	148.2	GGGG	
2708-16492	00000/0000	2-10026/0089	12/30/76	80	9872	4022N	10509W	19.3	147.5	GGGG	
2708-16494	00000/0000	2-10026/0090	12/30/76	50	9872	3856N	10538W	20.3	146.9	GGGG	
2708-16501	00000/0000	2-10026/0091	12/30/76	10	9872	3731N	10606W	21.4	146.3	GGGG	
2708-16503	00000/0000	2-10026/0092	12/30/76	10	9872	3605N	10633W	22.4	145.7	GGGG	
2708-16510	00000/0000	2-10026/0093	12/30/76	10	9872	3460N	10659W	23.4	145.0	GGGG	
2708-16512	00000/0000	2-10026/0094	12/30/76	10	9872	3314N	10725W	24.4	144.4	GGGG	
2708-16515	00000/0000	2-10026/0095	12/30/76	30	9872	3148N	10750W	25.4	143.7	GGGG	
2708-16521	00000/0000	2-10026/0096	12/30/76	30	9872	3021N	10815W	26.4	143.0	GGGG	
2709-15091	00000/0000	2-10026/0164	12/31/76	60	9885	4853N	07726W	12.9	151.1	F3GS	
2709-15094	00000/0000	2-10026/0165	12/31/76	20	9885	4728N	07802W	14.0	150.4	GGGG	
2709-15100	00000/0000	2-10026/0166	12/31/76	10	9885	4613N	07837W	15.1	149.8	GGGG	
2709-15103	00000/0000	2-10026/0167	12/31/76	20	9885	4438N	07911W	16.1	149.2	GGGG	
2709-15105	00000/0000	2-10026/0168	12/31/76	20	9885	4313N	07943W	17.2	148.6	GGGG	
2709-15112	00000/0000	2-10026/0169	12/31/76	20	9885	4167N	08014W	18.2	148.0	G	
2709-15114	00000/0000	2-10026/0170	12/31/76	10	9885	4022N	08044W	19.3	147.4	GGGG	
2709-15121	00000/0000	2-10026/0171	12/31/76	10	9885	3456N	08114W	20.3	146.8	GGGG	
2709-15123	00000/0000	2-10026/0172	12/31/76	40	9885	3170N	08142W	21.4	146.2	GGGG	
2709-15130	00000/0000	2-10026/0173	12/31/76	30	9885	3174N	08210W	22.4	145.5	GGGG	
2709-15132	00000/0000	2-10026/0174	12/31/76	10	9885	3428N	08237W	23.4	144.9	GGGG	
2709-15135	00000/0000	2-10026/0175	12/31/76	40	9885	3311N	08303W	24.4	144.2	GGGG	
2709-15141	00000/0000	2-10026/0176	12/31/76	20	9885	3146N	08328W	25.4	143.6	GGGG	
2709-15144	00000/0000	2-10026/0177	12/31/76	70	9885	3020N	08353W	26.4	142.9	GGGG	
2709-16523	00000/0000	2-10026/0135	12/31/76	10	9886	4856N	10314W	12.9	151.0	GGGF	
2709-16525	00000/0000	2-10026/0136	12/31/76	50	9886	4729N	10351W	14.0	150.4	GGGG	
2709-16532	00000/0000	2-10026/0137	12/31/76	60	9886	4654N	10426W	15.1	149.8	GGGG	
2709-16534	00000/0000	2-10026/0138	12/31/76	90	9886	4439N	10459W	16.1	149.2	GGGG	
2709-16541	00000/0000	2-10026/0139	12/31/76	90	9886	4313N	10532W	17.2	148.6	GGGG	

KEYS: CLOUD COVER % 0 TO 100 + % CLOUD COVER.
 IMAGE QUALITY BLANKS=NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN.... (BLANK)=LOW GAIN, H=HIGH GAIN

19:33 FEB 17, 77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0024

OBSERVATION ID	MICROFILM REEL NO./ POSITION IN REEL	DATE ACQUIRED	CLOUD COVER %	BIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	MSS	MSS	
									AT	LONG	V
RBV	MS										DATA GAIN
2709-16543	00000/0000 2-10026/0140	12/31/76	50	9886	6167N	10603W	18.2	148.0			GGGF
2709-16550	00000/0000 2-10026/0141	12/31/76	50	9886	6022N	10634W	19.3	147.4			GGGG
2709-16552	00000/0000 2-10026/0142	12/31/76	70	9886	3856N	10703W	20.3	146.8			GGGG
2709-16555	00000/0000 2-10026/0143	12/31/76	90	9886	3730N	10731W	21.4	146.2			GGGG
2709-16561	00000/0000 2-10026/0144	12/31/76	90	9886	3654N	10758W	22.4	145.5			GGGG
2709-16564	00000/0000 2-10026/0145	12/31/76	80	9886	3439N	10825W	23.4	144.9			GGGG
2709-16570	00000/0000 2-10026/0146	12/31/76	80	9886	3313N	10850W	24.4	144.2			FGGG
2709-16573	00000/0000 2-10026/0147	12/31/76	60	9886	3147N	10915W	25.4	143.6			GGGG
2709-16575	00000/0000 2-10026/0148	12/31/76	50	9886	3021N	10940W	26.4	142.9			GGGG
2710-15190	00000/0000 2-10026/0128	01/01/77	0	9899	3440N	08401W	23.4	144.8			GGGG
2710-15193	00000/0000 2-10026/0129	01/01/77	10	9899	3314N	08427W	24.4	144.1			GGGG
2710-15195	00000/0000 2-10026/0130	01/01/77	10	9899	3148N	08452W	25.4	143.4			GGGG
2710-15202	00000/0000 2-10026/0131	01/01/77	10	9899	3024N	08517W	26.4	142.8			GGGG
2710-15204	00000/0000 2-10026/0132	01/01/77	60	9899	2856N	08542W	27.4	142.1			GGGG
2710-16581	00000/0000 2-10026/0149	01/01/77	20	9900	4857N	10439W	12.9	150.9			FGGF
2710-16583	00000/0000 2-10026/0150	01/01/77	60	9900	4731N	10516W	14.0	150.3			GGGG
2710-16590	00000/0000 2-10026/0151	01/01/77	90	9900	4606N	10551W	15.1	149.7			GGGG
2710-16592	00000/0000 2-10026/0152	01/01/77	90	9900	4441N	10624W	16.1	149.1			GGGG
2710-16595	00000/0000 2-10026/0153	01/01/77	80	9900	4315N	10656W	17.2	148.5			GGGG
2710-17001	00000/0000 2-10026/0154	01/01/77	70	9900	4150N	10727W	18.2	147.9			GGGG
2710-17004	00000/0000 2-10026/0155	01/01/77	60	9900	4024N	10757W	19.3	147.3			GGGG
2710-17010	00000/0000 2-10026/0156	01/01/77	70	9900	3859N	10826W	20.3	146.6			GGGG
2710-17013	00000/0000 2-10026/0157	01/01/77	70	9900	3733N	10854W	21.3	146.0			GGGG
2710-17015	00000/0000 2-10026/0158	01/01/77	70	9900	3607N	10921W	22.4	145.4			GGGG
2710-17022	00000/0000 2-10026/0159	01/01/77	80	9900	3441N	10948W	23.4	144.7			GGGG
2710-17024	00000/0000 2-10026/0160	01/01/77	80	9900	3315N	11015W	24.4	144.1			GGGG
2710-17031	00000/0000 2-10026/0161	01/01/77	60	9900	3149N	11040W	25.4	143.4			GGGF
2710-17033	00000/0000 2-10026/0162	01/01/77	90	9900	3023N	11105W	26.4	142.7			GGGG
2711-15203	00000/0000 2-10026/0178	01/02/77	50	9913	4855N	08015W	13.0	150.8			GGGG
2711-15210	00000/0000 2-10026/0179	01/02/77	50	9913	4730N	08052W	14.1	150.2			GGGG
2711-15212	00000/0000 2-10026/0180	01/02/77	60	9913	4605N	08127W	15.1	149.6			GGGG
2711-15215	00000/0000 2-10026/0181	01/02/77	90	9913	4440N	08201W	16.2	148.9			GGGG
2711-15221	00000/0000 2-10026/0182	01/02/77	90	9913	4314N	08233W	17.2	148.3			GGGG
2711-15224	00000/0000 2-10026/0183	01/02/77	80	9913	4149N	08304W	18.3	147.7			GGGG
2711-15230	00000/0000 2-10026/0184	01/02/77	20	9913	4023N	08334W	19.3	147.1			GGGG
2711-15233	00000/0000 2-10026/0185	01/02/77	0	9913	3858N	08403W	20.3	146.5			GGGG

KEYS: CLOUD COVER % 0 TO 100 + % CLOUD COVER.
 IMAGE QUALITY BLANKS=NOT AVAILABLE. G=GROSS. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, HIGH GAIN

18133 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0025

OBSERVATION ID	MICROFILM REEL NO./ POSITION IN REEL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL MSS	MSS
					LAT	LONG	RBV	MSS
2711-15235	00000/0000 2-10026/0186	01/02/77	20	9913 37324	08432W	21.4	145.9	RGGF
2711-15242	00000/0000 2-10026/0187	01/02/77	50	9913 36064	08459W	22.4	145.2	RGGF
2711-15244	00000/0000 2-10026/0188	01/02/77	100	9913 34404	08526W	23.4	144.6	RGGF
2711-15251	00000/0000 2-10026/0189	01/02/77	100	9913 33144	08552W	24.4	143.9	RGGG
2711-15253	00000/0000 2-10026/0190	01/02/77	100	9913 31484	08618W	25.4	143.3	RGGG
2711-15260	00000/0000 2-10026/0191	01/02/77	100	9913 30224	08643W	26.4	142.6	FGGG
2711-17039	00000/0000 2-10026/0206	01/02/77	20	9914 48564	10605W	13.0	150.8	RGGG
2711-17042	00000/0000 2-10026/0207	01/02/77	10	9914 47314	10642W	14.1	150.2	RGGG
2711-17044	00000/0000 2-10026/0208	01/02/77	20	9914 46364	10717W	15.1	149.5	RGGG
2711-17051	00000/0000 2-10026/0209	01/02/77	0	9914 44414	10750W	16.2	148.9	RGGG
2711-17053	00000/0000 2-10026/0210	01/02/77	10	9914 43164	10822W	17.2	148.3	RGGG
2711-17060	00000/0000 2-10026/0211	01/02/77	20	9914 41514	10853W	18.3	147.7	RGGG
2711-17062	00000/0000 2-10026/0212	01/02/77	20	9914 40264	10923W	19.3	147.1	RGGG
2711-17065	00000/0000 2-10026/0213	01/02/77	20	9914 38594	10952W	20.3	146.5	RGGG
2711-17071	00000/0000 2-10026/0214	01/02/77	20	9914 37334	11020W	21.4	145.9	RGGG
2711-17074	00000/0000 2-10026/0215	01/02/77	20	9914 36074	11048W	22.4	145.2	RGGG
2712-15262	00000/0000 2-10026/0192	01/03/77	90	9927 48554	08141W	13.0	150.6	GGPG
2712-15264	00000/0000 2-10026/0193	01/03/77	70	9927 47304	08218W	14.1	150.0	GGPG
2712-15271	00000/0000 2-10026/0194	01/03/77	80	9927 46044	08253W	15.2	149.4	GGPG
2712-15273	00000/0000 2-10026/0195	01/03/77	90	9927 44394	08327W	16.2	148.8	GGPG
2712-15280	00000/0000 2-10026/0196	01/03/77	90	9927 43144	08400W	17.3	148.2	GGPG
2712-15282	00000/0000 2-10026/0197	01/03/77	90	9927 41484	08432W	18.3	147.6	GGPG
2712-15285	00000/0000 2-10026/0198	01/03/77	80	9927 40234	08502W	19.4	147.0	GGPG
2712-15291	00000/0000 2-10026/0199	01/03/77	80	9927 38574	08531W	20.4	146.3	GGPG
2712-15294	00000/0000 2-10026/0200	01/03/77	100	9927 37314	08559W	21.4	145.7	RGGG
2712-15300	00000/0000 2-10026/0201	01/03/77	100	9927 36054	08627W	22.4	145.1	RGGG
2712-15303	00000/0000 2-10026/0202	01/03/77	100	9927 34394	08654W	23.4	144.6	GGPG
2712-15305	00000/0000 2-10026/0203	01/03/77	100	9927 33134	08720W	24.4	143.8	GGPG
2712-15312	00000/0000 2-10026/0204	01/03/77	90	9927 31474	08745W	25.4	143.1	GGPG
2712-15314	00000/0000 2-10026/0205	01/03/77	90	9927 30214	08810W	26.4	142.4	RGGG
2712-17093	00000/0000 2-10026/0229	01/03/77	50	9928 48554	10730W	13.1	150.6	RGGF
2712-17100	00000/0000 2-10026/0230	01/03/77	70	9928 47304	10806W	14.1	150.0	RGGG
2712-17102	00000/0000 2-10026/0231	01/03/77	60	9928 46054	10841W	15.2	149.4	RGGP
2712-17105	00000/0000 2-10026/0232	01/03/77	60	9928 44404	10915W	16.2	148.8	RGGF
2712-17111	00000/0000 2-10026/0233	01/03/77	90	9928 43154	10947W	17.3	148.2	RGGF
2712-17116	00000/0000 2-10026/0234	01/03/77	90	9928 41494	11018W	18.3	147.6	RGGF

KEYS: CLOUD COVER % 0 TO 100 + % CLOUD COVER.
 IMAGE QUALITY BLANKS+BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, HIGH GAIN

18133 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0026

OBSERVATION ID	MICROFILM REEL NO./ POSITION IN REEL	DATE ACQUIRED	CLOUD ORBIT COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS	MSS	
					LAT	LONG	RSV MSS DATA	123 45678 MODE	GAIN
2712-17120	30000/0000 2-10026/0235	01/03/77	90	9928	4024N	11049W	19.4	146.9	RGOF
2712-17123	30000/0000 2-10026/0236	01/03/77	90	9928	3858N	11118W	20.4	146.3	RGGR
2712-17125	30000/0000 2-10026/0237	01/03/77	90	9928	3732N	11146W	21.4	145.7	RFGG
2712-17132	30000/0000 2-10026/0238	01/03/77	80	9928	3606N	11244W	22.4	145.1	RGGR
2712-17134	30000/0000 2-10026/0239	01/03/77	90	9928	3440N	11241W	23.4	144.4	RGGR
2712-17141	30000/0000 2-10026/0240	01/03/77	80	9928	3314N	11307W	24.4	143.8	GGGR
2712-17143	30000/0000 2-10026/0241	01/03/77	20	9928	3168N	11333W	25.4	143.1	RGGR
2712-17150	30000/0000 2-10026/0242	01/03/77	10	9928	3024N	11358W	26.4	142.4	RGGP
2713-15320	30000/0000 2-10026/0216	01/04/77	90	9941	4854N	08309W	13.1	150.5	GGG3
2713-15322	30000/0000 2-10026/0217	01/04/77	80	9941	4729N	08346W	14.2	149.9	FNGG
2713-15325	30000/0000 2-10026/0218	01/04/77	80	9941	4624N	08421W	15.2	149.2	GGG3
2713-15331	30000/0000 2-10026/0219	01/04/77	20	9941	4439N	08455W	16.3	148.6	GGG3
2713-15334	30000/0000 2-10026/0220	01/04/77	10	9941	4314N	08527W	17.3	148.0	GGG3
2713-15340	30000/0000 2-10026/0221	01/04/77	30	9941	4149N	08558W	18.4	147.9	GGGG
2713-15343	30000/0000 2-10026/0222	01/04/77	80	9941	4024N	08628W	19.4	146.8	GGG3
2713-15345	30000/0000 2-10026/0223	01/04/77	100	9941	3858N	08657W	20.4	145.2	GGGG
2713-15352	30000/0000 2-10026/0224	01/04/77	100	9941	3731N	08725W	21.4	145.5	GG3
2713-15354	30000/0000 2-10026/0225	01/04/77	100	9941	3605N	08753W	22.5	144.9	GGG3
2713-15361	30000/0000 2-10026/0226	01/04/77	100	9941	3439N	08820W	23.5	144.3	GGGG
2713-15363	30000/0000 2-10026/0227	01/04/77	100	9941	3313N	08846W	24.5	143.6	GGGG
2713-15370	30000/0000 2-10026/0228	01/04/77	100	9941	3147N	08911W	25.5	142.9	GGGG
2714-17151	30000/0000 2-10026/0243	01/04/77	90	9942	4854N	10858W	13.1	150.5	GGFF
2713-17154	30000/0000 2-10026/0244	01/04/77	70	9942	4729N	10934W	14.2	149.4	RFGG
2713-17160	30000/0000 2-10026/0245	01/04/77	80	9942	4624N	11009W	15.2	149.2	GGG3
2713-17163	30000/0000 2-10026/0246	01/04/77	20	9942	4439N	11042W	16.3	148.6	GGGG
2713-17165	30000/0000 2-10026/0247	01/04/77	60	9942	4313N	11114W	17.3	148.0	GGGG
2713-17172	30000/0000 2-10026/0248	01/04/77	70	9942	4148N	11145W	18.4	147.9	GGGG
2713-17174	30000/0000 2-10026/0249	01/04/77	70	9942	4025N	11216W	19.4	146.8	GGGG
2713-17181	30000/0000 2-10026/0250	01/04/77	70	9942	3459N	11245W	20.4	146.2	GGG3
2713-17183	30000/0000 2-10026/0251	01/04/77	20	9942	3731N	11312W	21.5	145.5	GGGG
2713-17190	30000/0000 2-10026/0252	01/04/77	80	9942	3606N	11339W	22.5	144.9	FNGG
2713-17192	30000/0000 2-10026/0253	01/04/77	80	9942	3441N	11406W	23.5	144.3	GGG3
2713-17195	30000/0000 2-10026/0254	01/04/77	80	9942	3315N	11433W	24.5	143.6	GGGG
2713-17201	30000/0000 2-10026/0255	01/04/77	80	9942	3147N	11459W	25.5	142.9	RFGG
2714-15374	2-10026/0868 30000/0000	01/05/77	10	9955	4850N	08431W	13.2	150.3	GGG
2714-15381	2-10026/0869 2-10026/0256	01/05/77	20	9955	4730N	08510W	14.3	149.7	GGG GGG3

KEYS: C-G C-BE93 Z 0 TO 100 = 3 CLOUD COVERS.
 FA3E DUALITY BLANKS= BAND NOT AVAILABLE. G=GSD. P=PAPER. F=FAIR.
 MSS DATA CODE (BLANK)=COMPRESSED, I=LINEAR
 MSS IMAGE RATE (BLANK)=LOW GAIN, HIGH GAIN

18133 FEB 17, '77

I ANISAT-2
 OBSERVATION ID LISTING
 FOR CONTIGUOUS US
 FROM 01/01/77 TO 01/31/77

PAGE 0027

OBSERVATION ID	MICR9FIL4 RALI NR./ POSITION IN RALI REV	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS			
							123	45678		
2714-15383	30000/0000	2-10024/0257	01/05/77	60	9955	4604N	08545W	15.3	149.1	RGGG
2714-15390	30000/0000	2-10024/0258	01/05/77	70	9955	4439N	08619W	16.3	148.5	RGGG
2714-15392	30000/0000	2-10024/0259	01/05/77	60	9955	4314N	08652W	17.4	147.9	RGGG
2714-15395	2-10026/0870	2-10024/0260	01/05/77	40	9955	4163N	08722W	18.5	147.2	GFF RGGG
2714-15401	2-10026/0871	2-10024/0261	01/05/77	70	9955	4023N	08753W	19.5	146.6	GG GGGG
2714-15404	2-10026/0872	2-10024/0262	01/05/77	100	9955	3857N	08822W	20.5	146.0	GFF GGGG
2714-15410	2-10026/0873	2-10024/0263	01/05/77	50	9955	3731N	08850W	21.5	145.3	GFF RGGG
2714-15413	2-10026/0874	2-10024/0264	01/05/77	90	9955	3605N	08918W	22.6	144.7	GFF GGGG
2714-15415	2-10026/0875	2-10024/0265	01/05/77	90	9955	3439N	08945W	23.6	144.1	GFF RGGG
2714-15422	2-10026/0876	2-10024/0266	01/05/77	30	9955	3313N	09011W	24.6	143.4	GFF RGGG
2714-17210	30000/0000	2-10024/0267	01/05/77	30	9956	4854N	11023W	13.2	150.3	FGF
2714-17212	30000/0000	2-10024/0268	01/05/77	10	9956	4729N	11100W	14.2	149.7	RGGF
2714-17215	30000/0000	2-10024/0269	01/05/77	10	9956	4604N	11135W	15.3	149.1	RGGG
2714-17221	30000/0000	2-10024/0270	01/05/77	0	9956	4439N	11209W	16.3	148.5	RGGG
2714-17224	30000/0000	2-10024/0271	01/05/77	10	9956	4313N	11241W	17.4	147.9	RGGF
2714-17230	30000/0000	2-10024/0272	01/05/77	10	9956	4168N	11313W	18.6	147.2	RGGG
2714-17231	30000/0000	2-10024/0273	01/05/77	70	9956	4023N	11342W	19.5	146.6	RGGG
2714-17235	30000/0000	2-10024/0274	01/05/77	90	9956	3856N	11411W	20.5	146.0	RGGG
2714-17242	30000/0000	2-10024/0275	01/05/77	80	9956	3730N	11440W	21.5	145.4	FGGG
2714-17244	30000/0000	2-10024/0276	01/05/77	90	9956	3604N	11507W	22.5	144.7	RGGG
2714-17251	30000/0000	2-10024/0277	01/05/77	30	9956	3439N	11534W	23.5	144.1	RGGG
2714-17253	30000/0000	2-10024/0278	01/05/77	30	9956	3313N	11600W	24.5	143.4	FGGG
2714-17260	30000/0000	2-10024/0279	01/05/77	60	9956	3166N	11626W	25.5	142.7	RGGG
2715-15432	30000/0000	2-10024/0337	01/06/77	90	9969	4854N	08602W	13.2	150.2	RGGG
2715-15438	30000/0000	2-10024/0338	01/06/77	100	9969	4729N	08638W	14.3	149.6	RGGG
2715-15441	30000/0000	2-10024/0339	01/06/77	90	9969	4604N	08712W	15.3	148.9	GFF
2715-15444	30000/0000	2-10024/0340	01/06/77	50	9969	4439N	08746W	16.4	148.3	FGGG
2715-15450	30000/0000	2-10024/0341	01/06/77	40	9969	4313N	08818W	17.4	147.7	RGGG
2715-15453	30000/0000	2-10024/0342	01/06/77	70	9969	4168N	08848W	18.5	147.1	RGGG
2715-15455	30000/0000	2-10024/0343	01/06/77	60	9969	4023N	08919W	19.5	146.5	RGGG
2715-15462	30000/0000	2-10024/0344	01/06/77	90	9969	3857N	08948W	20.5	145.8	RGGG
2715-15464	30000/0000	2-10024/0345	01/06/77	100	9969	3731N	09016W	21.5	145.2	RGGG
2715-15471	30000/0000	2-10024/0346	01/06/77	100	9969	3605N	09044W	22.5	144.6	FGGG
2715-15473	30000/0000	2-10024/0347	01/06/77	100	9969	3439N	09110W	23.6	143.9	RGGF
2715-15480	30000/0000	2-10024/0348	01/06/77	100	9969	3313N	09137W	24.5	143.3	RGGG
2715-15482	30000/0000	2-10024/0349	01/06/77	90	9969	3167N	09202W	25.5	142.6	RGGG

KEYS: CLOUD COVER 0..... 100 = 2 CLOUD COVER.
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. S=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, (S)=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, HIGH=GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTINUOUS US
FR64 01/01/77 TO 01/31/77

PAGE 0028

OBSERVATION ID	MICROFILM REFL. NO./ POSITION IN ROLL RSV MSS	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS	MSS
					1 AT	LONG	RSV	MSS DATA MODE
2715-17264	30000/0000 2-10026/0280	01/06/77	100	9970 4854N	11151W	13.3	150.2	RGGG
2715-17273	30000/0000 2-10026/0281	01/06/77	80	9970 4604N	11303W	15.4	148.9	RGGG
2715-17284	30000/0000 2-10026/0282	01/06/77	20	9970 4149N	11440W	18.5	147.1	FFFF
2715-17291	30000/0000 2-10026/0283	01/06/77	10	9970 4023N	11510W	19.5	146.5	RGGG
2715-17292	30000/0000 2-10026/0284	01/06/77	10	9970 3857N	11529W	20.5	145.8	RGGG
2716-15493	30000/0000 2-10026/0317	01/07/77	70	9983 4730N	08804W	14.4	149.4	RGGG
2716-15495	30000/0000 2-10026/0318	01/07/77	10	9983 4608N	08829W	15.4	148.8	RG 3
2716-15502	30000/0000 2-10026/0319	01/07/77	0	9983 4439N	08912W	16.5	148.2	RGGG
2716-15504	30000/0000 2-10026/0320	01/07/77	0	9983 4313N	08944W	17.5	147.5	RGGG
2716-15511	30000/0000 2-10026/0321	01/07/77	0	9983 4148N	09014W	18.5	146.9	RGGG
2716-15513	30000/0000 2-10026/0322	01/07/77	0	9983 4023N	09045W	19.6	146.3	RGGG
2716-15520	30000/0000 2-10026/0323	01/07/77	0	9983 3856N	09114W	20.6	145.7	RGGG
2716-15522	30000/0000 2-10026/0324	01/07/77	0	9983 3730N	09143W	21.6	145.0	RGGG
2716-15525	30000/0000 2-10026/0325	01/07/77	10	9983 3605N	09211W	22.6	144.4	RGGG
2716-15531	30000/0000 2-10026/0326	01/07/77	10	9983 3439N	09238W	23.6	143.7	RGGG
2716-15534	30000/0000 2-10026/0327	01/07/77	10	9983 3312N	09304W	24.6	143.1	RGGG
2716-15540	30000/0000 2-10026/0328	01/07/77	20	9983 3146N	09330W	25.6	142.4	FGGG
2716-15543	30000/0000 2-10026/0329	01/07/77	30	9983 3020N	09354W	26.5	141.7	RGGG
2716-15545	30000/0000 2-10026/0323	01/07/77	10	9983 2856N	09418W	27.5	141.0	RGG
2716-15552	30000/0000 2-10026/0286	01/07/77	10	9983 2727N	09442W	28.5	140.3	FGGG
2716-15554	30000/0000 2-10026/0287	01/07/77	30	9983 2601N	09505W	29.4	139.5	RGGG
2716-15561	30000/0000 2-10026/0288	01/07/77	60	9983 2435N	09528W	30.3	138.7	RGGG
2716-17322	30000/0000 2-10026/0289	01/07/77	70	9984 4854N	11317W	13.3	150.0	RGGG
2716-17325	30000/0000 2-10026/0290	01/07/77	80	9984 4729N	11353W	14.4	149.4	RGGG
2716-17331	30000/0000 2-10026/0291	01/07/77	80	9984 4604N	11428W	15.4	148.8	RGGG
2716-17334	30000/0000 2-10026/0292	01/07/77	80	9984 4438N	11502W	16.5	148.1	RGGG
2716-17340	30000/0000 2-10026/0293	01/07/77	80	9984 4312N	11534W	17.5	147.5	RGGG
2716-17343	30000/0000 2-10026/0294	01/07/77	10	9984 4147N	11605W	18.5	146.9	RGGG
2716-17345	30000/0000 2-10026/0295	01/07/77	0	9984 4021N	11635W	19.6	146.3	RGGG
2716-17352	30000/0000 2-10026/0296	01/07/77	0	9984 3856N	11704W	20.6	145.7	RGGG
2716-17354	30000/0000 2-10026/0297	01/07/77	10	9984 3730N	11733W	21.6	145.0	RGGG
2716-17361	30000/0000 2-10026/0298	01/07/77	60	9984 3604N	11800W	22.6	144.4	RGGG
2716-17363	30000/0000 2-10026/0299	01/07/77	80	9984 3439N	11827W	23.6	143.7	RGGG
2716-17370	30000/0000 2-10026/0300	01/07/77	70	9984 3312N	11853W	24.6	143.1	RGGG
2717-15551	30000/0000 2-10026/0330	01/08/77	40	9997 4729N	01931W	14.5	149.2	RGGG
2717-17380	30000/0000 2-10026/0	01/08/77	30	9998 4854N	11442W	15.4	149.9	RGGG

KEYS:

CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. S=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, HIGH GAIN

18132 FEB 17 1977

I ANNSAT-2
 OBSERVATION ID LISTING
 FOR CONTIGUOUS US
 FROM 01/01/77 TO 01/31/77

PAGE 0029

OBSERVATION ID	MICRFILE POSITION IN RGFI RGV	MICRFILE POSITION IN RGFI RG8	DATE ACQUIRED	CLOUD COVER NUMBER	ORBIT PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL	SUN	MSS	MSS
									LAT	LONG	REV
2717-17383	30000/0300	2-10026/0302	01/08/77	70	9998	47294	11517W	14.5	149.2		RGGG
2717-17385	30000/0300	2-10026/0303	01/08/77	70	9998	46044	11552W	15.5	147.6		RGGG
2717-17392	30000/0300	2-10026/0304	01/08/77	10	9998	46394	11226W	16.6	148.1		RGGG
2717-17394	30000/0300	2-10026/0305	01/08/77	10	9998	43144	11459W	17.6	147.0		RGGG
2717-17401	30000/0300	2-10026/0306	01/08/77	10	9998	41684	11730W	18.3	146.7		RGF3
2717-17403	30000/0300	2-10026/0307	01/08/77	0	9998	40724	11801W	19.6	146.1		RGGG
2717-17410	30000/0300	2-10026/0308	01/08/77	10	9998	38574	11830W	20.7	145.5		RGGG
2717-17412	30000/0300	2-10026/0309	01/08/77	10	9998	37314	11859W	21.7	144.9		RGGG
2717-17415	30000/0300	2-10026/0310	01/08/77	30	9998	36054	11926W	22.7	144.2		RGF3
2717-17421	30000/0300	2-10026/0311	01/08/77	20	9998	34384	11953W	23.7	143.6		RGGF
2717-17424	30000/0300	2-10026/0312	01/08/77	80	9998	33124	12019W	24.7	142.9		RGGG
2718-14170	30000/0300	2-10026/0313	01/09/77	10	10	47314	06504W	14.5	149.1		RGGG
2718-14180	30000/0300	2-10026/0314	01/09/77	10	10	46064	06539W	15.6	148.5		RGGG
2718-14183	30000/0300	2-10026/0315	01/09/77	10	10	44404	06613W	16.6	147.9		RGGG
2718-14185	30000/0300	2-10026/0316	01/09/77	70	10	43154	06646W	17.7	147.2		RGGG
2718-16003	30000/0300	2-10026/0331	01/09/77	0	11	48544	09020W	13.5	149.7		RGGG
2718-16005	30000/0300	2-10026/0332	01/09/77	10	11	47794	09057W	14.6	149.1		RGGG
2718-16012	30000/0300	2-10026/0333	01/09/77	0	11	46344	09132W	15.6	148.5		RGGG
2718-16014	30000/0300	2-10026/0334	01/09/77	0	11	46384	09205W	16.6	147.8		RGGG
2718-16021	30000/0300	2-10026/0335	01/09/77	30	11	43134	09237W	17.7	147.2		RGF3
2718-16023	30000/0300	2-10026/0336	01/09/77	20	11	41484	09309W	18.7	146.6		RGGG
2718-16030	30000/0300	2-10026/0351	01/09/77	80	11	40224	09339W	19.7	146.0		F3GF
2718-16032	30000/0300	2-10026/0352	01/09/77	100	11	38564	09408W	20.7	145.3		RGGG
2718-16035	30000/0300	2-10026/0353	01/09/77	100	11	37314	09436W	21.7	144.7		RGGG
2718-16041	30000/0300	2-10026/0354	01/09/77	100	11	36054	09503W	22.7	144.0		RGGG
2718-16044	30000/0300	2-10026/0355	01/09/77	90	11	34394	09530W	23.7	143.4		RGGG
2718-16050	30000/0300	2-10026/0356	01/09/77	80	11	33124	09556W	24.7	142.7		RGF3
2718-16053	30000/0300	2-10026/0357	01/09/77	70	11	31664	09622W	25.7	142.0		RGGG
2718-16055	30000/0300	2-10026/0358	01/09/77	40	11	30204	09646W	26.6	141.3		F3GF
2718-16062	30000/0300	2-10026/0359	01/09/77	60	11	28944	09711W	27.6	140.6		RG C
2718-16064	30000/0300	2-10026/0360	01/09/77	80	11	27284	09735W	28.5	139.9		F3GF
2718-16071	30000/0300	2-10026/0361	01/09/77	90	11	26714	09758W	29.5	139.1		RGGG
2718-17443	30000/0300	2-10026/0360	01/09/77	20	12	46344	11720W	15.6	148.4		R G
2718-17450	30000/0300	2-10026/0362	01/09/77	10	12	46394	11754W	16.6	147.8		RGGG
2718-17452	30000/0300	2-10026/0363	01/09/77	0	12	43144	11827W	17.7	147.2		RGGG
2718-17455	30000/0300	2-10026/0364	01/09/77	0	12	41684	11858W	18.7	146.6		RGGG

KEYS:
 CLOUD COVER % J TO 100 = 100% CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, S=SOOR, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, HIGH GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTINENTAL US
FROM 01/01/77 TO 01/31/77

PAGE 0030

OBSERVATION ID	MICROFILM REEL NO./ POSITION IN REEL		DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUALITY MSS		MSS IMAGE GAIN
	RBV	MSS						LAT	LONG	
2718-17461	00000/0000	2-10026/0365	01/09/77	0	12 0123N	11928W	19.7	146.0		RRGG
2718-17464	00000/0000	2-10026/0366	01/09/77	0	12 1857N	11957W	20.7	145.3		RRGG
2718-17470	00000/0000	2-10026/0367	01/09/77	10	12 3731N	12026W	21.7	144.7		RRGG
2718-17473	00000/0000	2-10026/0368	01/09/77	10	12 3675N	12053W	22.7	144.0		RRGG
2718-17475	00000/0000	2-10026/0369	01/09/77	10	12 3639N	12120W	23.7	143.4		RRGG
2719-14232	00000/0000	2-10026/0370	01/10/77	00	24 4730N	06633W	14.6	148.9		RRGG
2719-14234	00000/0000	2-10026/0371	01/10/77	90	24 4605N	06708W	15.7	148.3		RRGG
2719-14241	00000/0000	2-10026/0372	01/10/77	90	24 4640N	06742W	16.7	147.7		RRGG
2719-14243	00000/0000	2-10026/0373	01/10/77	100	24 4315N	06814W	17.7	147.1		RRGG
2719-14250	00000/0000	2-10026/0376	01/10/77	100	24 4149N	06845W	18.8	146.6		RRGG
2719-14252	00000/0000	2-10026/0374	01/10/77	100	24 4023N	06916W	19.8	145.8		RRGG
2719-14255	00000/0000	2-10026/0375	01/10/77	100	24 3458N	06946W	20.8	145.2		RRGG
2719-16064	00000/0000	2-10026/0377	01/10/77	0	25 4730N	09222W	14.6	148.9		RRGG
2719-16070	00000/0000	2-10026/0378	01/10/77	0	25 4675N	09257W	15.7	148.3		RRGG
2719-16073	00000/0000	2-10026/0379	01/10/77	0	25 4440N	09331W	16.7	147.7		RRGG
2719-16075	00000/0000	2-10026/0380	01/10/77	0	25 4314N	09403W	17.8	147.1		RRGG
2719-16082	00000/0000	2-10026/0381	01/10/77	0	25 4169N	09434W	18.8	146.4		RRGG
2719-16084	00000/0000	2-10026/0382	01/10/77	0	25 4023N	09504W	19.8	145.8		RRGG
2719-16091	00000/0000	2-10026/0383	01/10/77	0	25 3857N	09533W	20.8	145.2		RRGG
2719-16093	00000/0000	2-10026/0384	01/10/77	0	25 3732N	09601W	21.8	144.5		RRGG
2719-16102	00000/0000	2-10026/0385	01/10/77	0	25 3439N	09656W	23.8	143.2		RRGG
2719-16105	00000/0000	2-10026/0386	01/10/77	0	25 3313N	09723W	24.8	142.5		RRGG
2719-16111	00000/0000	2-10026/0387	01/10/77	0	25 3147N	09748W	25.7	141.8		RRGG
2719-16114	00000/0000	2-10026/0388	01/10/77	0	25 3021N	09813W	26.7	141.1		RRGG
2719-16120	00000/0000	2-10026/0389	01/10/77	0	25 2854N	09837W	27.6	140.4		RRGG
2719-16123	00000/0000	2-10026/0390	01/10/77	0	25 2728N	09901W	28.6	139.7		RRGG
2719-16125	00000/0000	2-10026/0391	01/10/77	70	25 2622N	09924W	29.5	138.9		RRGG
2719-17493	00000/0000	2-10026/0392	01/10/77	00	26 4855N	11735W	13.6	149.6		RRGG
2719-17495	00000/0000	2-10026/0393	01/10/77	90	26 4730N	11812W	14.7	148.9		RRGG
2719-17502	00000/0000	2-10026/0394	01/10/77	90	26 4655N	11847W	15.7	148.3		RRGG
2719-17504	00000/0000	2-10026/0395	01/10/77	90	26 4499N	11921W	16.7	147.7		RRGG
2719-17511	00000/0000	2-10026/0396	01/10/77	80	26 4313N	11953W	17.8	147.0		RRGG
2719-17513	00000/0000	2-10026/0397	01/10/77	90	26 4148N	12024W	18.8	146.4		RRGG
2719-17520	00000/0000	2-10026/0398	01/10/77	90	26 4022N	12054W	19.8	145.8		RRGG
2719-17522	00000/0000	2-10026/0399	01/10/77	30	26 3856N	12123W	20.8	145.1		RRGG
2719-17525	00000/0000	2-10026/0400	01/10/77	70	26 3730N	12152W	21.8	144.5		RRGG

REVS: C-BUD COVER % 0 TO 100 + 2 CLOUD COVER.
 1443E QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, HIGH GAIN

18:33 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0031

OBSERVATION ID	MICRFILE 20L1 49.0/ POSITION IN 20L1 RRV MSS	DATE ACQUIRED	CLOUD COVER %	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV. LONG	IMAGE-DUAL MSS			MSS MODE	MSS GAIN
						ORBIT NUMBER	SUN AZIM.	RRV MSS DATA		
2719-17531	00000/0000 2-10026/0401	01/10/77	70	26	36044	12219W	22.8	143.9		GGG
2719-17534	00000/0000 2-10026/0402	01/10/77	50	26	36384	12246W	23.8	143.2		GGGF
2720-14293	00000/0000 2-10026/0403	01/11/77	30	38	47214	06759W	14.7	148.8		GGG
2720-14293	00000/0000 2-10026/0405	01/11/77	20	38	46054	06834W	15.8	148.2		GGG
2720-14295	00000/0000 2-10026/0405	01/11/77	20	38	46054	06908W	16.8	147.5		GGG
2720-14302	00000/0000 2-10026/0406	01/11/77	50	38	43144	06941W	17.8	146.9		GGG
2720-14304	00000/0000 2-10026/0407	01/11/77	90	38	41494	07012W	18.8	146.3		GGG
2720-14311	00000/0000 2-10026/0408	01/11/77	90	38	40234	07042W	19.9	145.6		GGG
2720-14313	00000/0000 2-10026/0409	01/11/77	90	38	38574	07112W	20.9	145.0		GGG
2720-14320	00000/0000 2-10026/0410	01/11/77	90	38	37314	07140W	21.9	144.4		GGG
2720-14322	00000/0000 2-10026/0411	01/11/77	90	38	36054	07208W	22.9	143.7		GGG
2720-16115	00000/0000 2-10026/0424	01/11/77	10	39	48454	09310W	13.7	149.4		GGG
2720-16122	00000/0000 2-10026/0425	01/11/77	20	39	47204	09347W	14.8	148.8		GGG
2720-16124	00000/0000 2-10026/0426	01/11/77	30	39	46054	09423W	15.8	148.1		GGG
2720-16131	00000/0000 2-10026/0427	01/11/77	20	39	46394	09457W	16.8	147.5		GGG
2720-16133	00000/0000 2-10026/0428	01/11/77	10	39	43144	09529W	17.8	146.9		GGG
2720-16140	00000/0000 2-10026/0429	01/11/77	50	39	41484	09600W	18.9	146.3		GGG
2720-16142	00000/0000 2-10026/0430	01/11/77	20	39	40234	09630W	19.9	145.6		GGG
2720-16145	00000/0000 2-10026/0431	01/11/77	10	39	38574	09700W	20.9	145.3		GGG
2720-16151	00000/0000 2-10026/0432	01/11/77	10	39	37314	09728W	21.9	144.3		GGG
2720-16154	00000/0000 2-10026/0433	01/11/77	10	39	36054	09755W	22.9	143.7		GGG
2720-16160	00000/0000 2-10026/0434	01/11/77	10	39	36394	09822W	23.9	143.0		GGG
2720-16163	00000/0000 2-10026/0435	01/11/77	10	39	33134	09848W	24.8	142.3		GGG
2720-16165	00000/0000 2-10026/0436	01/11/77	50	39	31474	09913W	25.8	141.7		GGG
2720-16172	00000/0000 2-10026/0437	01/11/77	100	39	30204	09938W	26.8	140.9		GGG
2720-16174	00000/0000 2-10026/0438	01/11/77	100	39	28544	10002W	27.7	140.2		GGG
2720-16181	00000/0000 2-10026/0439	01/11/77	100	39	27284	10026W	28.6	139.5		GGG
2720-16183	00000/0000 2-10026/0440	01/11/77	80	39	26024	10049W	29.6	138.7		GGG
2720-17553	00000/0000 2-10026/0441	01/11/77	90	40	47304	11938W	14.8	148.8		GGGF
2720-17560	00000/0000 2-10026/0442	01/11/77	90	40	46084	12013W	15.8	148.1		GGG
2720-17562	00000/0000 2-10026/0443	01/11/77	80	40	46004	12047W	16.8	147.9		GGG
2720-17565	00000/0000 2-10026/0444	01/11/77	60	40	43144	12119W	17.9	146.9		GGG
2720-17571	00000/0000 2-10026/0445	01/11/77	50	40	41484	12151W	18.9	146.2		GGG
2720-17574	00000/0000 2-10026/0446	01/11/77	50	40	40234	12221W	19.9	145.6		GGGF
2720-17580	00000/0000 2-10026/0447	01/11/77	50	40	38574	12250W	20.9	145.0		GGG
2720-17583	00000/0000 2-10026/0448	01/11/77	60	40	37314	12318W	21.9	144.3		GGG

KEYS: CLOUD COVER 0, 100 = 8 CLOUD COVER.
 IMAGE QUALITY BLANK=BAD NOT AVAILABLE. 0=GOOD. P=Poor. F=Fair.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTINENTAL US
FROM 01/01/77 TO 01/31/77

PAGE 0032

OBSERVATION ID	MICROFILM REV #	POSITION IN REV	DATE ACQUIRED	CLOUD ORBIT COVER NUMBER	PRINCIPAL PRINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS	MSS
						REV	MSS	LAT	LONG
2720-17585	00000/0000	2-10026/0409	01/11/77	70	60 36054	12345W	22.9	143.7	R003
2721-14364	00000/0000	2-10026/0412	01/12/77	80	52 47314	06923W	14.9	148.6	R003
2721-14351	00000/0000	2-10026/0413	01/12/77	50	52 46054	06958W	15.9	148.0	R003
2721-14353	00000/0000	2-10026/0414	01/12/77	30	52 46404	07032W	16.9	147.6	F003
2721-14360	00000/0000	2-10026/0415	01/12/77	20	52 43154	07105W	17.9	146.7	R003
2721-14362	00000/0100	2-10026/0416	01/12/77	90	52 41494	07137W	19.0	146.1	R003
2721-14365	00000/0000	2-10026/0417	01/12/77	90	52 40234	07208W	20.0	145.5	R003
2721-14371	00000/0000	2-10026/0418	01/12/77	80	52 38574	07237W	21.0	144.8	R003
2721-14374	00000/0000	2-10026/0419	01/12/77	70	52 37314	07306W	22.0	144.2	F003
2721-14380	00000/0000	2-10026/0420	01/12/77	60	52 36054	07333W	23.0	143.5	F003
2721-14383	00000/0000	2-10026/0421	01/12/77	60	52 34394	07400W	23.9	142.9	R003
2721-14385	00000/0000	2-10026/0422	01/12/77	60	52 33134	07426W	24.9	142.2	F003
2721-14392	00000/0000	2-10026/0423	01/12/77	80	52 31474	07452W	25.9	141.5	R003
2721-16173	00000/0000	2-10026/0453	01/12/77	0	53 48554	09439W	13.8	14.3	R003
2721-16180	00000/0000	2-10026/0454	01/12/77	0	53 47304	09516W	14.9	148.6	R003
2721-16182	00000/0000	2-10026/0455	01/12/77	0	53 46054	09550W	15.9	148.0	R003
2721-16185	00000/0000	2-10026/0456	01/12/77	10	53 46404	09624W	16.9	147.6	R003
2721-16191	00000/0000	2-10026/0457	01/12/77	60	53 43154	09656W	18.0	146.7	F003
2721-16194	00000/0000	2-10026/0458	01/12/77	20	53 41494	09727W	19.0	146.1	R003
2721-16200	00000/0000	2-10026/0459	01/12/77	10	53 40234	09757W	20.0	145.5	R003
2721-16203	00000/0000	2-10026/0460	01/12/77	10	53 38574	09827W	21.0	144.8	R003
2721-16205	00000/0000	2-10026/0461	01/12/77	70	53 37314	09855W	22.0	144.2	R003
2721-16212	00000/0000	2-10026/0462	01/12/77	80	53 36054	09923W	23.0	143.5	R003
2721-16214	00000/0000	2-10026/0463	01/12/77	100	53 34394	09950W	24.0	142.8	R003
2721-16221	00000/0000	2-10026/0464	01/12/77	100	53 33134	10016W	24.9	142.2	R003
2721-16223	00000/0000	2-10026/0465	01/12/77	100	53 31474	10041W	25.9	141.5	R003
2721-16230	00000/0000	2-10026/0466	01/12/77	90	53 30214	10106W	26.8	140.8	F003
2721-16232	00000/0000	2-10026/0467	01/12/77	90	53 28544	10130W	27.8	140.0	R003
2721-16235	00000/0000	2-10026/0468	01/12/77	60	53 27284	10154W	28.7	139.3	F003
2722-14450	00000/0000	2-10026/0469	01/13/77	50	66 31474	07618W	26.0	141.3	R003
2722-14453	00000/0000	2-10026/0470	01/13/77	60	66 30204	07643W	26.9	140.6	R003
2722-14455	00000/0000	2-10026/0471	01/13/77	20	66 28544	07707W	27.9	139.8	R003
2722-14462	00000/0000	2-10026/0472	01/13/77	30	66 27284	07731W	28.8	139.1	R003
2722-16232	00000/0000	2-10026/0491	01/13/77	60	67 48554	09603W	14.0	149.1	F003
2722-16234	00000/0000	2-10026/0492	01/13/77	30	67 47304	09640W	15.0	148.5	R003
2722-16241	00000/0000	2-10026/0493	01/13/77	60	67 46054	09715W	16.0	147.8	R003

KEYS: C-BJD COVER 3 0 TO 100 = % CLOUD COVER.
 1443E QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=Poor, F=Fair.
 MSS DATA MODE (BLANK)=COMPRESSED, (OLINEAR)
 MSS IMAGE GAIN (BLANK)=LOW GAIN, HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICRFILE Q9L1 VP./ POSITION IN Q9L1		DATE ACQUIRED	CLOUD %	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL MSS		MSS
	RRV	MSR					LAT	LONG	RRV	MSS DATA	IMAGE GAIN
2722-16243	00000/0000	2-10026/0494	01/13/77	80	67	44404	09749W	17.0	147.2		F3G3
2722-16250	00000/0000	2-10026/0495	01/13/77	90	67	43144	09821W	18.1	146.5		GGGG
2722-16252	00000/0000	2-10026/0496	01/13/77	90	67	41494	09852W	19.1	145.9		GGGG
2722-16255	00000/0000	2-10026/0497	01/13/77	10	67	40234	09922W	20.1	145.3		GGGG
2722-16261	00000/0000	2-10026/0498	01/13/77	10	67	38574	09951W	21.1	144.6		GGGG
2722-16264	00000/0000	2-10026/0499	01/13/77	10	67	37314	10020W	22.1	144.0		GGGF
2722-16270	00000/0000	2-10026/0500	01/13/77	10	67	36754	10047W	23.1	143.3		GGGG
2722-16273	00000/0000	2-10026/0501	01/13/77	10	67	34394	10114W	24.0	142.6		PPPP
2722-16275	00000/0000	2-10026/0502	01/13/77	50	67	33134	10140W	25.0	142.0		GGGG
2722-16282	00000/0000	2-10026/0503	01/13/77	90	67	31474	10206W	26.0	141.3		GGGG
2722-16284	00000/0000	2-10026/0504	01/13/77	90	67	30204	10231W	26.9	140.6		GGGG
2722-16291	00000/0000	2-10026/0505	01/13/77	70	67	28554	10255W	27.9	139.8		GGGG
2722-16293	00000/0000	2-10026/0506	01/13/77	90	67	27284	10319W	28.8	139.1		GGGG
2722-18063	00000/0000	2-10026/0507	01/13/77	90	68	48564	12150W	14.0	149.1		GGGG
2722-18070	00000/0000	2-10026/0508	01/13/77	50	68	47314	12227W	15.0	148.4		AFG3
2722-18072	00000/0000	2-10026/0509	01/13/77	90	68	46954	12303W	16.0	147.8		AFG3
2722-18075	00000/0000	2-10026/0510	01/13/77	70	68	44404	12337W	17.1	147.2		GGGG
2722-18081	00000/0000	2-10026/0511	01/13/77	90	68	43144	12410W	18.1	146.5		GGGG
2722-18084	00000/0000	2-10026/0512	01/13/77	90	68	41494	12441W	19.1	145.9		GGGG
2722-18090	00000/0000	2-10026/0513	01/13/77	80	68	40234	12512W	20.1	145.3		F3G3
2722-18093	00000/0000	2-10026/0514	01/13/77	50	68	38564	12541W	21.1	144.6		AFGF
2723-14461	00000/0000	2-10026/0518	01/14/77	0	80	47304	07218W	15.1	148.3		GGGG
2723-14463	00000/0000	2-10026/0519	01/14/77	10	80	46054	07253W	16.1	147.7		GGGG
2723-14470	00000/0000	2-10026/0520	01/14/77	90	80	44404	07327W	17.2	147.0		GGGG
2723-14472	00000/0000	2-10026/0521	01/14/77	100	80	43144	07359W	18.2	146.4		GGGG
2723-14475	00000/0000	2-10026/0522	01/14/77	100	80	41494	07430W	19.2	145.8		GGGG
2723-14481	00000/0000	2-10026/0523	01/14/77	100	80	40234	07500W	20.2	145.1		GGGG
2723-14484	00000/0000	2-10026/0524	01/14/77	90	80	38574	07530W	21.2	144.5		GGGG
2723-14490	00000/0000	2-10026/0525	01/14/77	90	80	37314	07558W	22.2	143.8		GGGG
2723-14493	00000/0000	2-10026/0526	01/14/77	100	80	36054	07625W	23.2	143.1		GGGG
2723-14495	00000/0000	2-10026/0527	01/14/77	90	80	34404	07651W	24.1	142.5		FFFF
2723-14502	00000/0000	2-10026/0528	01/14/77	90	80	33134	07717W	25.1	141.8		FFFF
2723-14504	00000/0000	2-10026/0529	01/14/77	90	80	31474	07743W	26.1	141.1		GGGG
2723-14511	00000/0000	2-10026/0530	01/14/77	90	80	30214	07807W	27.0	140.4		GGGG
2723-14513	2-10026/0577	2-10026/0533	01/14/77	60	80	28554	07832W	27.9	139.6	GPG	GG
2723-14520	2-10026/0578	2-10026/0531	01/14/77	60	80	27284	0	28.9	138.9	G3G	GGGG

KEYS: CLOUD COVER % 0 TO 100 % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, HIGH GAIN

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OBSERVATION ID	MICROFILM REEL NO./ POSITION IN REEL	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS		MSS
					REV	MSS	LAT	LONG	REV
2723-16522	2-10026/0879	01/14/77	50	80	26024	07919N	29.3	138.1	G3G RGGG
2723-16292	00000/0000	01/14/77	90	81	47304	09808N	15.1	148.3	R3FF
2723-16295	00000/0000	01/14/77	90	81	46054	09843N	16.1	147.7	RGGG
2723-16301	00000/0000	01/14/77	70	81	46404	09916N	17.2	147.0	RGGG
2723-16304	00000/0000	01/14/77	20	81	31444	09948N	18.2	146.4	RGGG
2723-16310	00000/0000	01/14/77	20	81	41484	10019N	19.2	145.7	RGGG
2723-16313	00000/0000	01/14/77	0	81	40234	10049N	20.2	145.1	RGGG
2723-16315	00000/0000	01/14/77	0	81	38574	10118N	21.2	144.4	RGGG
2723-16322	00000/0000	01/14/77	40	81	37314	10147N	22.2	143.8	RGGG
2723-16324	00000/0000	01/14/77	20	81	36054	10214N	23.2	143.1	RGGG
2723-16331	00000/0000	01/14/77	60	81	34394	10241N	24.1	142.5	RGGG
2723-16333	00000/0000	01/14/77	20	81	33134	10307N	25.1	141.8	RGGG
2723-16340	00000/0000	01/14/77	10	81	31464	10332N	26.1	141.1	RGGG
2723-16342	00000/0000	01/14/77	40	81	30204	10357N	27.0	140.3	RGGG
2723-16345	00000/0000	01/14/77	10	81	28544	10421N	27.9	139.6	RGF3
2723-16351	00000/0000	01/14/77	0	81	27274	10445N	28.9	138.9	RGGG
2723-16354	00000/0000	01/14/77	90	82	47304	12355N	15.1	148.3	RGGG
2723-16130	00000/0000	01/14/77	90	82	46044	12430N	16.2	147.6	RGGG
2723-16133	00000/0000	01/14/77	90	82	44394	12504N	17.2	147.0	FGGG
2724-16513	00000/0000	01/15/77	20	94	47294	07344N	15.2	148.1	RGGG
2724-16521	00000/0000	01/15/77	20	94	46704	07419N	16.3	147.5	RGGG
2724-16524	00000/0000	01/15/77	20	94	44384	07453N	17.3	146.9	RGGG
2724-16530	00000/0000	01/15/77	60	94	43134	07525N	18.3	146.2	RGGG
2724-16533	00000/0000	01/15/77	60	94	41484	07556N	19.3	145.6	RGGG
2724-16535	00000/0000	01/15/77	0	94	40234	07626N	20.3	144.9	RGGG
2724-16542	00000/0000	01/15/77	10	94	38574	07655N	21.3	144.3	RGGG
2724-16544	00000/0000	01/15/77	20	94	37314	07723N	22.3	143.6	RGGG
2724-16551	00000/0000	01/15/77	90	94	36054	07751N	23.3	143.0	RGGG
2724-16553	00000/0000	01/15/77	90	94	34394	07818N	24.2	142.3	RGGG
2724-16560	00000/0000	01/15/77	70	94	33134	07844N	25.2	141.6	RGGG
2724-16562	00000/0000	01/15/77	60	94	31474	07909N	26.2	140.9	RGGG
2724-16565	00000/0000	01/15/77	70	94	30214	07934N	27.1	140.2	RGGG
2724-16571	00000/0000	01/15/77	70	94	28544	07959N	28.0	139.4	RGGG
2724-16574	00000/0000	01/15/77	50	94	27274	08023N	28.9	138.7	RGGG
2724-16353	00000/0000	01/15/77	20	95	46054	10009N	16.3	147.5	RGGG
2724-16360	00000/0000	01/15/77	10	95	44394	10042N	17.3	146.8	RGGG

KEYS: CLOUD COVERS 1, 0 TO 100 + % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=L0+ GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR CONTIGUOUS US
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OBSERVATION ID	MICROFILM #911 NO./ POSITION IN RGFL	DATE ACQUIRED	CLOUD COVERAGE %	PRINCIPAL COVER NUMBER	SUN ELEV.	SUN AZIM.	IMAGE-QUALITY		MSS DATA IMAGE
							RBV	MSS	
2724-16362	00000/0000 2-10026/0566	01/15/77	10	95	43544	10115W	18.3	146.2	RGG3
2724-16365	00000/0000 2-10026/0567	01/15/77	60	95	41684	10146W	19.3	145.6	RGG3
2724-16371	00000/0000 2-10026/0568	01/15/77	70	95	40224	10216W	20.3	144.9	RGG3
2724-16374	00000/0000 2-10026/0569	01/15/77	80	95	38564	10245W	21.3	144.3	RGG3
2724-16380	00000/0000 2-10026/0570	01/15/77	20	95	37304	10313W	22.3	143.6	RGG3
2724-16383	00000/0000 2-10026/0571	01/15/77	10	95	36044	10340W	23.3	142.9	RGG3
2724-16385	00000/0000 2-10026/0572	01/15/77	0	95	34384	10406W	24.3	142.3	RGG3
2724-16392	00000/0000 2-10026/0573	01/15/77	0	95	33134	10432W	25.2	141.6	RGG3
2724-16394	00000/0000 2-10026/0574	01/15/77	0	95	31474	10458W	26.2	140.9	RGG3
2724-16401	00000/0000 2-10026/0575	01/15/77	0	95	30214	10523W	27.1	140.1	RGG3
2724-16403	00000/0000 2-10026/0576	01/15/77	0	95	28544	10547W	28.0	139.4	RGG3
2724-18180	00000/0000 2-10026/0577	01/15/77	80	96	48554	12445W	14.2	148.8	RGG3
2724-18182	00000/0000 2-10026/0578	01/15/77	80	96	47294	12523W	15.3	148.1	RGG3
2724-18185	00000/0000 2-10026/0579	01/15/77	70	96	46044	12558W	16.3	147.5	RGG3
2725-14582	00000/0000 2-10026/0552	01/16/77	40	100	44384	07618W	17.4	146.7	RGG3
2725-14585	00000/0000 2-10026/0553	01/16/77	40	100	43134	07651W	18.4	146.0	RGG3
2725-14591	00000/0000 2-10026/0554	01/16/77	70	100	41484	07722W	19.4	145.4	RGG3
2725-14594	00000/0000 2-10026/0555	01/16/77	50	100	40224	07752W	20.0	144.7	RGG3
2725-15000	00000/0000 2-10026/0556	01/16/77	80	100	38564	07821W	21.4	144.1	RGG3
2725-15003	00000/0000 2-10026/0557	01/16/77	70	100	37304	07849W	22.4	143.4	RGG3
2725-15005	00000/0000 2-10026/0558	01/16/77	50	100	36054	07917W	23.4	142.8	RGG3
2725-15012	00000/0000 2-10026/0559	01/16/77	10	100	34394	07943W	24.4	142.1	RGG3
2725-15014	00000/0000 2-10026/0560	01/16/77	10	100	33124	08009W	25.3	141.4	RGG3
2725-15021	00000/0000 2-10026/0561	01/16/77	10	100	31464	08035W	26.3	140.7	RGG3
2725-15023	00000/0000 2-10026/0562	01/16/77	10	100	30204	08100W	27.2	139.9	RGG3
2725-15030	00000/0000 2-10026/0563	01/16/77	20	100	28564	08124W	28.1	139.2	RGG3
2725-16402	00000/0000 2-10026/0588	01/16/77	10	100	48544	10023W	14.4	148.6	RGG3
2725-16405	00000/0000 2-10026/0589	01/16/77	10	100	47294	10053W	15.4	148.0	RGG3
2725-16420	00000/0000 2-10026/0590	01/16/77	80	100	43134	10240W	18.5	146.0	RGG3
2725-16423	00000/0000 2-10026/0591	01/16/77	80	100	41484	10311W	19.5	145.4	RGG3
2725-16425	00000/0000 2-10026/0592	01/16/77	60	100	40214	10341W	20.5	144.7	RGG3
2725-16432	00000/0000 2-10026/0593	01/16/77	20	100	38554	10410W	21.4	144.1	RGG3
2725-16434	00000/0000 2-10026/0594	01/16/77	10	100	37294	10438W	22.4	143.4	RGG3
2725-16441	00000/0000 2-10026/0595	01/16/77	20	100	36034	10506W	23.4	142.7	RGG3
2725-16443	00000/0000 2-10026/0596	01/16/77	10	100	34374	10532W	24.4	142.1	RGG3
2725-16450	00000/0000 2-10026/0597	01/16/77	10	100	33114	10558W	25.3	141.4	RGG3

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVERAGE.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR CONTINENTAL US
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OBSERVATION ID	MICROFILM REEL NO./ POSITION IN REEL	DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE QUALITY	MSS DATA MODE	MSS GAIN
						1 LAT	L843	RELY MSS	MSS	123 45678 MODE
2725-16452	30000/0000 2-10026/3598	01/16/77	10	109	3145N	10624W	26.3	140.7	RGGG	
2725-16453	30000/0000 2-10026/3599	01/16/77	10	109	3019N	10648W	27.2	139.9	RGGG	
2726-15043	30000/0000 2-10026/3600	01/17/77	60	122	4313N	07817W	18.6	145.9	GGGG	
2726-15045	30000/0000 2-10026/3601	01/17/77	20	122	4148N	07848W	19.6	145.2	GGGG	
2726-15052	30000/0000 2-10026/3602	01/17/77	10	122	4022N	07918W	20.6	144.6	GGGG	
2726-15054	30000/0000 2-10026/3603	01/17/77	10	122	3856N	07947W	21.6	143.9	GGGG	
2726-15061	30000/0000 2-10026/3604	01/17/77	0	122	3731N	08015W	22.5	143.2	GGGG	
2726-15063	30000/0000 2-10026/3605	01/17/77	0	122	3605N	08043W	23.5	142.6	GGGG	
2726-15070	30000/0000 2-10026/3606	01/17/77	0	122	3438N	08110W	24.5	141.9	GGGG	
2726-15072	30000/0000 2-10026/3607	01/17/77	0	122	3312N	08136W	25.4	141.2	GGGG	
2726-15075	30000/0000 2-10026/3608	01/17/77	0	122	3146N	08202W	26.4	140.5	GGGG	
2726-15081	30000/0000 2-10026/3609	01/17/77	30	122	3020N	08226W	27.3	139.7	GGGG	
2726-15084	30000/0000 2-10026/3610	01/17/77	10	122	2856N	08251W	28.2	139.0	GGGG	
2726-16460	30000/0000 2-10026/3739	01/17/77	0	123	4856N	10149W	16.5	148.5	GGGG	
2726-16463	30000/0000 2-10026/3740	01/17/77	10	123	4779N	10226W	15.6	147.8	GGGG	
2726-16465	30000/0000 2-10026/3741	01/17/77	60	123	4604N	10301W	16.6	147.1	RFFF	
2726-16472	30000/0000 2-10026/3742	01/17/77	90	123	4438N	10335W	17.6	146.5	GGGG	
2726-16474	30000/0000 2-10026/3743	01/17/77	90	123	4313N	10407W	18.6	145.8	RGGF	
2726-16481	30000/0000 2-10026/3744	01/17/77	90	123	4147N	10438W	19.6	145.2	GGGG	
2726-16483	30000/0000 2-10026/3745	01/17/77	70	123	4022N	10508W	20.6	144.5	GGGG	
2726-16490	30000/0000 2-10026/3746	01/17/77	30	123	3855N	10537W	21.6	143.9	GGGG	
2726-16492	30000/0000 2-10026/3747	01/17/77	10	123	3730N	10605W	22.6	143.2	GGGG	
2726-16495	30000/0000 2-10026/3748	01/17/77	0	123	3603N	10633W	23.5	142.5	GGGG	
2726-16501	30000/0000 2-10026/3749	01/17/77	0	123	3437N	10659W	24.5	141.9	GGGG	
2726-16504	30000/0000 2-10026/3750	01/17/77	40	123	3311N	10726W	25.4	141.2	GGGG	
2726-16510	30000/0000 2-10026/3751	01/17/77	10	123	3145N	10751W	26.4	140.4	GGGG	
2726-16513	30000/0000 2-10026/3752	01/17/77	0	123	3018N	10816W	27.3	139.7	GGGG	
2726-16515	30000/0000 2-10026/3753	01/17/77	10	123	2852N	10840W	28.2	139.0	GGGG	
2727-15083	30000/0000 2-10026/3623	01/18/77	90	136	4856N	07725W	14.7	148.3	GGGG	
2727-15090	30000/0000 2-10026/3624	01/18/77	90	136	4779N	07801W	15.7	147.6	RFFA	
2727-15092	30000/0000 2-10026/3625	01/18/77	50	136	4604N	07835W	16.7	147.0	GGGG	
2727-15095	30000/0000 2-10026/3626	01/18/77	30	136	4438N	07909W	17.7	146.3	GGGG	
2727-15101	30000/0000 2-10026/3627	01/18/77	10	136	4312N	07942W	18.7	145.7	GGGG	
2727-15104	30000/0000 2-10026/3628	01/18/77	10	136	4147N	08013W	19.7	145.0	GGGG	
2727-15110	30000/0000 2-10026/3629	01/18/77	10	136	4021N	08043W	20.7	144.4	GGGG	
2727-15113	30000/0000 2-10026/3630	01/18/77	40	136	3856N	08112W	21.7	143.7	GGGG	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0037

OBSERVATION ID	WICH9FILM RELI NO./ POSITION IN RGFLP RRV MSS	DATE ACQUIRED	CLOUD COVER NUMBER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS DATA	MSS IMAGE MODE	MSS GAIN
					1 LAT	LANG		123 45678		
2727-15115	30000/00005	2-10026/0631	01/18/77	10	136	37304	08140W	22.7	143.0	RGGG
2727-15122	30000/00005	2-10026/0632	01/18/77	30	136	36044	08207W	23.7	142.4	RGGG
2727-15124	30000/00005	2-10026/0633	01/18/77	10	136	36384	08234W	24.6	141.7	RGGG
2727-15131	30000/00005	2-10026/0634	01/18/77	90	136	33124	08301W	25.6	141.0	RGGG
2727-15133	30000/00005	2-10026/0635	01/18/77	80	136	31464	08326W	26.5	140.2	RGGG
2727-15140	30000/00005	2-10026/0636	01/18/77	40	136	30204	08351W	27.4	139.5	RGGG
2727-16515	30000/00005	2-10026/0639	01/18/77	90	137	48544	10312W	14.7	148.3	RGGG
2727-16521	30000/00005	2-10026/0640	01/18/77	80	137	47294	10350W	15.7	147.6	GGGG
2727-16524	30000/00005	2-10026/0641	01/18/77	90	137	46034	10428W	16.7	147.0	GGGG
2727-16530	30000/00005	2-10026/0642	01/18/77	90	137	44384	10459W	17.7	146.3	GGGG
2727-16533	30000/00005	2-10026/0643	01/18/77	90	137	43134	10531W	18.7	145.7	GGGG
2727-16535	30000/00005	2-10026/0644	01/18/77	90	137	41474	10602W	19.7	145.0	GGGG
2727-16542	30000/00005	2-10026/0645	01/18/77	40	137	40224	10633W	20.7	144.4	RGGG
2727-16544	30000/00005	2-10026/0646	01/18/77	10	137	38564	10702W	21.7	143.7	RGGG
2727-16551	30000/00005	2-10026/0647	01/18/77	0	137	37304	10730W	22.7	143.0	RGGG
2727-16553	30000/00005	2-10026/0648	01/18/77	0	137	36044	10758W	23.7	142.3	GGGG
2727-16560	30000/00005	2-10026/0649	01/18/77	0	137	34384	10829W	24.6	141.7	RGGG
2727-16562	30000/00005	2-10026/0650	01/18/77	10	137	33124	10852W	25.6	140.9	RGGG
2727-16565	30000/00005	2-10026/0651	01/18/77	30	137	31464	10917W	26.5	140.2	GGGG
2727-16571	30000/00005	2-10026/0652	01/18/77	10	137	30194	10942W	27.4	139.5	GGGG
2728-15141	30000/00005	2-10026/0611	01/19/77	60	150	48534	07852W	14.9	148.1	GGGG
2728-15144	30000/00005	2-10026/0612	01/19/77	30	150	47284	07929W	15.9	147.5	RGGG
2728-15150	30000/00005	2-10026/0613	01/19/77	30	150	46034	08000W	16.9	146.8	RGGG
2728-15153	30000/00005	2-10026/0614	01/19/77	40	150	44384	08038W	17.9	146.2	GGGG
2728-15155	30000/00005	2-10026/0615	01/19/77	80	150	43134	08109W	18.9	145.5	GGGG
2728-15162	30000/00005	2-10026/0616	01/19/77	90	150	41474	08140W	19.9	144.8	GGGG
2728-15164	30000/00005	2-10026/0617	01/19/77	80	150	40224	08210W	20.9	144.2	GGGG
2728-15171	30000/00005	2-10026/0618	01/19/77	80	150	38564	08239W	21.9	143.5	GGGG
2728-15173	30000/00005	2-10026/0619	01/19/77	80	150	37304	08308W	22.8	142.8	GGGG
2728-15180	30000/00005	2-10026/0620	01/19/77	60	150	36044	08336W	23.8	142.2	RGGG
2728-15182	30000/00005	2-10026/0621	01/19/77	10	150	34384	08403W	24.7	141.5	RGGG
2728-15200	30000/00005	2-10026/0622	01/19/77	80	150	28534	08544W	25.5	138.5	GGGG
2728-16573	30000/00005	2-10026/0653	01/19/77	0	151	48544	10439W	14.9	148.1	GGGG
2728-16575	30000/00005	2-10026/0654	01/19/77	0	151	47294	10516W	15.9	147.5	GGGG
2728-16582	30000/00005	2-10026/0655	01/19/77	0	151	46034	10552W	16.9	146.8	GGGG
2728-16591	30000/00005	2-10026/0656	01/19/77	10	151	43134	10658W	18.9	145.5	RGGG

KEYS: CLOUD COVER 1 0 TO 100 + 3 CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

18:33 FEB 17, 77

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OBSERVATION ID LISTING
FOR CONTINUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0038

OBSERVATION ID	MICRIFILM RBLI NO./ POSITION IN RBLI RBV MSS	DATE ACQUIRED	CLOUD 9BIT COVER NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-DUAL MSS			MSS DATA IMAGE 123 45678 MODE GAIN
							1 AT	2 AT	3 AT	
2728-16593	30000/0000 2-10024/0657	01/19/77	10	151 41474	10730N	19.9	144.8			FFGG
2728-17000	30000/0000 2-10026/0658	01/19/77	10	151 40214	10800N	20.9	144.2			RRGR
2728-17002	30000/0000 2-10026/0659	01/19/77	0	151 38554	10829N	21.9	143.5			RRGR
2728-17005	30000/0000 2-10026/0660	01/19/77	10	151 37994	10856N	22.8	142.8			RRGR
2728-17011	30000/0000 2-10026/0661	01/19/77	10	151 36024	10923N	23.8	142.1			RRGF
2728-17014	30000/0000 2-10026/0662	01/19/77	30	151 34364	10950N	24.8	141.4			RRGR
2728-17020	30000/0000 2-10026/0663	01/19/77	10	151 33114	11017N	25.7	140.7			RRGR
2728-17023	30000/0000 2-10026/0664	01/19/77	0	151 31454	11042N	26.4	140.0			RRGR
2728-17025	30000/0000 2-10026/0665	01/19/77	10	151 30194	11107N	27.6	139.3			FGRG
2729-15195	30000/0000 2-10026/0697	01/20/77	20	164 48534	08017N	15.0	148.0			RRGF
2729-15202	30000/0000 2-10026/0698	01/20/77	30	164 47284	08053N	16.0	147.3			RRGR
2729-15204	30000/0000 2-10026/0699	01/20/77	20	164 46034	08129N	17.1	146.6			RRGR
2729-15211	30000/0000 2-10026/0700	01/20/77	80	164 44384	08203N	18.1	146.0			RRGR
2729-15213	30000/0000 2-10026/0701	01/20/77	60	164 43124	08236N	19.1	145.3			RRGR
2729-15220	30000/0000 2-10026/0702	01/20/77	10	164 41474	08307N	20.0	144.7			RRGR
2729-15222	30000/0000 2-10026/0703	01/20/77	20	164 40214	08338N	21.0	144.0			RRGR
2729-15225	30000/0000 2-10026/0704	01/20/77	50	164 38554	08407N	22.0	143.3			RRGR
2729-15231	30000/0000 2-10026/0705	01/20/77	90	164 37294	08435N	23.0	142.6			FGRG
2729-15234	30000/0000 2-10026/0706	01/20/77	90	164 36044	08502N	23.9	142.0			RRGR
2729-15240	30000/0000 2-10026/0707	01/20/77	70	164 34384	08529N	24.9	141.3			RRGR
2729-15243	30000/0000 2-10026/0708	01/20/77	30	164 33124	08555N	25.8	140.5			RRGR
2729-15245	30000/0000 2-10026/0709	01/20/77	0	164 31464	08620N	26.8	139.8			RRGF
2729-15252	30000/0000 2-10026/0710	01/20/77	20	164 30194	08645N	27.7	139.1			FGRG
2729-17031	30000/0000 2-10026/0666	01/20/77	70	165 48534	10607N	15.0	148.0			RRGR
2729-17034	30000/0000 2-10026/0667	01/20/77	10	165 47284	10644N	16.1	147.3			RRGR
2729-17040	30000/0000 2-10026/0668	01/20/77	0	165 46034	10719N	17.1	146.6			RRGR
2729-17043	30000/0000 2-10026/0669	01/20/77	0	165 44374	10753N	18.1	146.0			RRGR
2729-17045	30000/0000 2-10026/0670	01/20/77	0	165 43124	10825N	19.1	145.3			RRGR
2729-17052	30000/0000 2-10026/0671	01/20/77	10	165 41464	10856N	20.1	144.6			RRGR
2729-17054	30000/0000 2-10026/0672	01/20/77	0	165 40214	10926N	21.0	144.0			RRGR
2729-17061	30000/0000 2-10026/0673	01/20/77	0	165 38554	10953N	22.0	143.3			FGRG
2729-17063	30000/0000 2-10026/0674	01/20/77	60	165 37294	11024N	23.0	142.6			RRGF
2729-17070	30000/0000 2-10026/0675	01/20/77	50	165 36044	11051N	23.9	141.9			RRGR
2729-17072	30000/0000 2-10026/0676	01/20/77	60	165 34374	11118N	24.9	141.2			RRGR
2729-17075	30000/0000 2-10026/0677	01/20/77	30	165 33114	11143N	25.8	140.5			RRGR
2729-17081	30000/0000 2-10026/0678	01/20/77	60	165 31454	11209N	26.8	139.8			RRGR

KEYS: CLOUD COVER 0 0 TO 100 = 3 CLOUD COVERS.
 IMAGE DUALITY BLANKS-BAND NOT AVAILABLE. G-BF9D. P-P3PQ. F-F41P.
 MSS DATA MODE (BLANK)=COMPRESSED, 1=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, HIGH GAIN

18133 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0039

OBSERVATION ID	MICR9FILE RSLT % POSITION IN RSLT	DATE ACQUIRED	CLOUD ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN	SUN	IMAGE-QUAL	MSS	MSS
					FLEV.	AZIM.	RBV	MSS	DATA MODE
RBV	MSS			LAT	LONG			123	45678
2729-17084	00000/0000 2-10024/0679	01/20/77	70	165	30194	11233W	27°7	139.0	GGGG
2730-15254	00000/0000 2-10024/0725	01/21/77	20	178	48534	08143W	15°2	147.8	GGGG
2730-15260	00000/0000 2-10024/0726	01/21/77	10	178	47284	08221W	16°2	147.1	GGGG
2730-15263	00000/0000 2-10024/0727	01/21/77	10	178	46024	08256W	17°2	146.5	GGGG
2730-15265	00000/0000 2-10024/0728	01/21/77	40	178	44374	08330W	18°2	145.8	GGGG
2730-15272	00000/0000 2-10024/0729	01/21/77	10	178	43124	08402W	19°2	145.1	GGGG
2730-15274	00000/0000 2-10024/0730	01/21/77	20	178	41674	08433W	20°2	144.5	GGGG
2730-15281	00000/0000 2-10024/0731	01/21/77	50	178	40214	03502W	21°2	143.8	GGGG
2730-15283	00000/0000 2-10024/0732	01/21/77	30	178	38554	08532W	22°2	143.1	GGGG
2730-15290	00000/0000 2-10024/0733	01/21/77	40	178	37294	08600W	23°1	142.4	GGGG
2730-15292	00000/0000 2-10024/0734	01/21/77	10	178	36134	08627W	24°1	141.7	GGGG
2730-15295	00000/0000 2-10024/0735	01/21/77	10	178	34374	08654W	25°0	141.0	GGGG
2730-15301	00000/0000 2-10024/0736	01/21/77	0	178	33114	08720W	26°0	140.3	FGGG
2730-15304	00000/0000 2-10024/0737	01/21/77	0	178	31454	08746W	26°9	139.6	FGGG
2730-15310	00000/0000 2-10024/0738	01/21/77	0	178	30194	08810W	27°8	138.8	GGGG
2730-17085	00000/0000 2-10026/0680	01/21/77	20	179	48524	10735W	15°2	147.8	GGGG
2730-17092	00000/0000 2-10026/0681	01/21/77	10	179	47284	10811W	16°2	147.1	GGGG
2730-17094	00000/0000 2-10026/0682	01/21/77	20	179	46034	10846W	17°2	146.5	GGGG
2730-17101	00000/0000 2-10026/0683	01/21/77	30	179	44374	10920W	18°2	145.8	GGGG
2730-17103	00000/0000 2-10026/0684	01/21/77	50	179	43124	10952W	19°2	145.1	GGFG
2730-17110	00000/0000 2-10026/0685	01/21/77	50	179	41674	11023W	20°2	144.5	GGGG
2730-17112	00000/0000 2-10026/0686	01/21/77	20	179	40214	11053W	21°2	143.8	GGGG
2730-17115	00000/0000 2-10026/0687	01/21/77	30	179	38554	11122W	22°2	143.1	GGGG
2730-17121	00000/0000 2-10026/0688	01/21/77	70	179	37294	11150W	23°1	142.4	GGGG
2730-17124	00000/0000 2-10026/0689	01/21/77	90	179	36044	11218W	24°1	141.7	GGGG
2730-17130	00000/0000 2-10026/0690	01/21/77	90	179	34384	11244W	25°0	141.0	GGGG
2730-17133	00000/0000 2-10026/0691	01/21/77	90	179	33124	11210W	26°0	140.3	GGGG
2730-17135	00000/0000 2-10026/0692	01/21/77	40	179	31464	11336W	26°9	139.6	GGGG
2730-17142	00000/0000 2-10026/0693	01/21/77	20	179	30204	11401W	27°8	138.8	GGFG
2731-15312	00000/0000 2-10026/0712	01/22/77	0	192	48534	08311W	15°4	147.7	GGGG
2731-15314	00000/0000 2-10026/0713	01/22/77	0	192	47284	08348W	16°4	147.0	GGGG
2731-15321	00000/0000 2-10026/0714	01/22/77	10	192	46024	08423W	17°4	146.3	GGGG
2731-15323	00000/0000 2-10026/0715	01/22/77	10	192	44374	08457W	18°4	145.6	GGGG
2731-15330	00000/0000 2-10026/0716	01/22/77	10	192	43124	08529W	19°4	145.0	GGGG
2731-15332	00000/0000 2-10026/0717	01/22/77	10	192	41664	08601W	20°4	144.3	GGGG
2731-15335	00000/0000 2-10026/0718	01/22/77	10	192	40214	08631W	21°4	143.6	GGGG

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=3AND NOT AVAILABLE. 0=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, [=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18133 FEB 17 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0040

OBSERVATION ID	MICR9FILE NAME & POSITION IN RSLT RSV 488	DATE ACQUIRED	CLOUD ORBIT COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE=DUAL MSS		MSS IMAGE
					LAT	LONG	RSV	MSS DATA MODE	GAIN
2731-15341	30000/0000 2-10026/0719	01/22/77	0	192 3855N	08700W	22.3	142.9	RGGG	
2731-15346	30000/0000 2-10026/0720	01/22/77	0	192 3729N	08728W	23.3	142.2	RGGG	
2731-15350	30000/0000 2-10026/0721	01/22/77	0	192 3603N	08756W	24.2	141.5	RGGG	
2731-15353	30000/0000 2-10026/0722	01/22/77	10	192 3637N	08822W	25.2	140.8	RGGG	
2731-15355	30000/0000 2-10026/0723	01/22/77	10	192 3312N	08848W	26.1	140.1	RGGG	
2731-15362	30000/0000 2-10026/0724	01/22/77	20	192 3166N	08913W	27.0	139.4	RGF,G	
2731-17143	30000/0000 2-10026/0754	01/22/77	0	193 4854N	10858W	15.4	147.6	RGGG	
2731-17150	30000/0000 2-10026/0755	01/22/77	0	193 4729N	10935W	16.4	147.0	RGGG	
2731-17152	30000/0000 2-10026/0756	01/22/77	0	193 4604N	11009W	17.4	146.3	RGGG	
2731-17155	30000/0000 2-10026/0757	01/22/77	10	193 4439N	11043W	18.4	145.6	RGGG	
2731-17161	30000/0000 2-10026/0758	01/22/77	70	193 4313N	11116W	19.4	145.0	RGGG	
2731-17164	30000/0000 2-10026/0759	01/22/77	100	193 4147N	11148W	20.4	144.3	RGGG	
2731-17170	30000/0000 2-10026/0760	01/22/77	100	193 4022N	11218W	21.4	143.6	RGGG	
2731-17173	30000/0000 2-10026/0761	01/22/77	100	193 3856N	11248W	22.3	142.9	RGGG	
2731-17175	30000/0000 2-10026/0762	01/22/77	90	193 3730N	11317W	23.3	142.2	R/G/G	
2731-17182	30000/0000 2-10026/0763	01/22/77	80	193 3634N	11348W	24.3	141.5	RGGG	
2731-17184	30000/0000 2-10026/0764	01/22/77	80	193 3438N	11411W	25.2	140.8	RGGG	
2731-17191	30000/0000 2-10026/0765	01/22/77	50	193 3312N	11437W	26.1	140.1	RGGG	
2731-17193	30000/0000 2-10026/0766	01/22/77	20	193 3165N	11502W	27.1	139.4	RGG	
2732-15370	2-10026/0885 30000/0000	01/23/77	90	206 4848N	08435W	15.4	147.5	GGG	
2732-15373	2-10026/0881 2-10026/0782	01/23/77	90	206 4728N	08516W	16.4	146.8	GGGF	
2732-15375	30000/0000 2-10026/0783	01/23/77	100	206 4603N	08549W	17.4	146.1	GGF,G	
2732-15382	30000/0000 2-10026/0784	01/23/77	100	206 4437N	08623W	18.4	145.5	RGF,G	
2732-15384	30000/0000 2-10026/0785	01/23/77	100	206 4312N	08655W	19.4	144.8	GGFG	
2732-15391	2-10026/0882 2-10026/0786	01/23/77	80	206 4166N	08727W	20.4	144.1	GGG GGF,G	
2732-15393	2-10026/0883 2-10026/0787	01/23/77	80	206 4021N	08757W	21.4	143.4	GGG RFF,G	
2732-15400	2-10026/0884 2-10026/0788	01/23/77	80	206 3855N	08826W	22.5	142.7	GGG FFF,G	
2732-15402	2-10026/0885 2-10026/0789	01/23/77	90	206 3729N	08854W	23.5	142.0	GGG GGF,G	
2732-15405	2-10026/0886 2-10026/0790	01/23/77	80	206 3604N	09121W	24.4	141.3	GFG GGGG	
2732-15411	2-10026/0887 2-10026/0791	01/23/77	70	206 3438N	08948W	25.4	140.6	GGG GGF,G	
2732-15414	2-10026/0888 2-10026/0792	01/23/77	70	206 3312N	09014W	26.3	139.9	GGG RGF,G	
2732-17202	30000/0000 2-10026/0793	01/23/77	10	207 4853N	11025W	13.6	147.5	GGGG	
2732-17204	30000/0000 2-10026/0794	01/23/77	20	207 4728N	11102W	14.6	146.8	RGGG	
2732-17211	30000/0000 2-10026/0795	01/23/77	10	207 4603N	11137W	15.6	146.1	RGGG	
2732-17213	30000/0000 2-10026/0796	01/23/77	10	207 4438N	11211W	16.6	145.4	RGGG	
2732-17220	30000/0000 2-10026/0797	01/23/77	40	207 4312N	11243W	17.6	144.8	RGGG	

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE (BLANK)=COMRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LB= 3AIV, H=HIGH GAIN

18133 FEB 17, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0041

OBSERVATION ID	MICRORFILE NAME NO./ POSITION IN RSLT RBV MRS	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL MSS	MSS DATA IMAGE
					LAT	LONG	RBV	MRS
2732-17222	00000/0000 2-10026/0798	01/23/77	90	207 41464	11315N	20.6	149.1	RGF3
2732-17225	00000/0000 2-10026/0799	01/23/77	80	207 40214	11245N	21.5	143.4	FFB3
2732-17231	00000/0000 2-10026/0800	01/23/77	80	207 3855N	11413N	22.5	142.7	RGGG
2732-17234	00000/0000 2-10026/0801	01/23/77	70	207 37294	11442N	23.5	142.0	RGGG
2732-17240	00000/0000 2-10026/0802	01/23/77	10	207 36044	11509N	24.4	141.3	RGGG
2732-17243	00000/0000 2-10026/0803	01/23/77	10	207 34384	11536N	25.4	140.6	RGGG
2732-17245	00000/0000 2-10026/0804	01/23/77	20	207 33114	11602N	26.3	139.9	RGGG
2732-17252	00000/0000 2-10026/0805	01/23/77	40	207 31454	11627N	27.2	139.1	RGGG
2733-15429	00000/0000 2-10026/0767	01/24/77	80	220 48534	08603N	15.8	147.3	RGGG
2733-15431	00000/0000 2-10026/0768	01/24/77	70	220 47284	08640N	16.8	146.6	RGF3
2733-15433	00000/0000 2-10026/0769	01/24/77	100	220 46034	08715N	17.8	146.0	RGGG
2733-15440	00000/0000 2-10026/0770	01/24/77	90	220 44374	08749N	18.8	145.3	RGGG
2733-15442	00000/0000 2-10026/0771	01/24/77	100	220 43124	08821N	19.8	144.6	RGGG
2733-15445	00000/0000 2-10026/0772	01/24/77	100	220 41474	08852N	20.7	143.9	RGGG
2733-15451	00000/0000 2-10026/0773	01/24/77	100	220 40214	08922N	21.7	142.2	RGGG
2733-15454	00000/0000 2-10026/0774	01/24/77	70	220 38554	08952N	22.7	142.5	RGGG
2733-15460	00000/0000 2-10026/0775	01/24/77	40	220 37294	09020N	23.	141.8	RGGG
2733-15463	00000/0000 2-10026/0776	01/24/77	60	220 36044	09048N	24.6	141.1	RGGG
2733-15465	00000/0000 2-10026/0777	01/24/77	70	220 34384	09115N	25.5	140.4	RGGG
2733-15472	00000/0000 2-10026/0778	01/24/77	90	220 33124	09140N	26.4	139.7	RGF3
2733-15474	00000/0000 2-10026/0779	01/24/77	100	220 31464	09205N	27.3	138.9	RGGG
2733-15481	00000/0000 2-10026/0780	01/24/77	90	220 30204	09230N	28.2	138.2	RGF3
2733-15483	00000/0000 2-10026/0781	01/24/77	80	220 28544	09255N	29.1	137.4	RGGG
2733-17260	00000/0000 2-10026/0832	01/24/77	60	221 48534	11151N	15.8	147.3	GF3
2733-17262	00000/0000 2-10026/0833	01/24/77	50	221 47284	11227N	16.8	146.6	RGGG
2733-17265	00000/0000 2-10026/0834	01/24/77	20	221 46044	11302N	17.8	146.0	RGGG
2733-17271	00000/0000 2-10026/0835	01/24/77	10	221 44384	11336N	18.8	145.3	RGGG
2733-17274	00000/0000 2-10026/0836	01/24/77	70	221 43124	11409N	19	144.6	RGGG
2733-17280	00000/0000 2-10026/0837	01/24/77	20	221 41464	11440N	20	143.9	RGGG
2733-17283	00000/0000 2-10026/0838	01/24/77	10	221 40214	11510N	21.7	143.2	RGGG
2733-17285	00000/0000 2-10026/0839	01/24/77	10	221 38564	11539N	22.7	142.5	RGGG
2733-17292	00000/0000 2-10026/0840	01/24/77	10	221 37304	11608N	23.6	141.8	RGGG
2733-17294	00000/0000 2-10026/0841	01/24/77	0	221 36044	11635N	24.6	141.1	RGGG
2733-17301	00000/0000 2-10026/0842	01/24/77	10	221 34384	11702N	25.5	140.4	RGGG
2733-17303	00000/0000 2-10026/0843	01/24/77	0	221 33114	11728N	26.4	139.7	RGGG
2733-15482	00000/0000 2-10026/0849	01/25/77	20	234 48534	08730N	16.0	147.2	RGGG

KEYS: CLOUD COVER 0, 100% CLOUD COVER.
 IMAGE QUALITY BLANKS=NOT AVAILABLE. G=GROUNDS. P=POOR. F=FAIR.
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE SATN (BLANK)=LOW SATN, H=HIGH GAIN

18133 FEB 17, 1977

I ANTSAT-2
OBSERVATION ID LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICRFILE RELI % POSITION IN RELI RSV	DATE ACQUIRED	CLOUD COVER NUMBER	PRINCIPAL POINT OF IMAGE	SUN	SUN	IMAGE-QUAL	MSS	MSS
					LAT	LONG	ELEV.	AZIM.	RSV
					123	45678	MODE	123	45678
2734-15485	00000/0000 2-10024/0820	01/25/77	30	234 4728N	08806W	17.0	146.5	RGGR	
2734-15491	00000/0000 2-10024/0821	01/25/77	30	234 4603N	08841W	18.0	145.8	RGGR	
2734-15494	00000/0000 2-10024/0822	01/25/77	40	234 4438N	08914W	19.0	145.1	RGGR	
2734-15500	00000/0000 2-10024/0823	01/25/77	40	234 4313N	08947W	20.0	144.6	RGGR	
2734-15503	00000/0000 2-10024/0824	01/25/77	40	234 4147N	09018W	20.9	143.7	RGGR	
2734-15505	00000/0000 2-10024/0825	01/25/77	70	234 4021N	09049W	21.9	143.1	RGRG	
2734-15512	00000/0000 2-10024/0826	01/25/77	60	234 3856N	09118W	22.9	142.4	RGGR	
2734-15514	00000/0000 2-10024/0827	01/25/77	10	234 3730N	09147W	23.8	141.6	RGGR	
2734-15521	00000/0000 2-10024/0828	01/25/77	0	234 3674N	09214W	24.7	140.9	RGGR	
2734-15523	00000/0000 2-10024/0829	01/25/77	0	234 3438N	09241W	25.7	140.2	GGGG	
2734-15530	00000/0000 2-10024/0830	01/25/77	0	234 3312N	09307W	26.6	139.5	RGGR	
2734-15532	00000/0000 2-10024/0831	01/25/77	0	234 3145N	09333W	27.5	138.7	RGGR	
2734-17314	00000/0000 2-10024/0836	01/25/77	30	235 4853N	11318W	16.0	147.2	RGGR	
2734-17321	00000/0000 2-10024/0857	01/25/77	20	235 4728N	11355W	17.0	146.5	FGGG	
2734-17323	00000/0000 2-10024/0858	01/25/77	10	235 4603N	11430W	18.0	145.8	GGGG	
2734-17330	00000/0000 2-10024/0859	01/25/77	0	235 4438N	11504W	19.0	145.1	RGGR	
2734-17332	00000/0000 2-10024/0860	01/25/77	60	235 4313N	11536W	20.0	144.6	GGGG	
2734-17335	00000/0000 2-10024/0861	01/25/77	10	235 4147N	11607W	20.9	143.7	RGGR	
2734-17341	00000/0000 2-10024/0862	01/25/77	10	235 4021N	11637W	21.9	143.0	GGGG	
2734-17342	00000/0000 2-10024/0863	01/25/77	10	235 3856N	11706W	22.9	142.3	GGGG	
2734-17350	00000/0000 2-10024/0864	01/25/77	70	235 3730N	11734W	23.8	141.6	RGFR	
2734-17353	00000/0000 2-10024/0865	01/25/77	80	235 3604N	11802W	24.8	140.9	GGGG	
2734-17355	00000/0000 2-10024/0866	01/25/77	90	235 3438N	11828W	25.7	140.2	GGGG	
2734-17362	00000/0000 2-10024/0867	01/25/77	80	235 3312N	11854W	26.6	139.4	GGGG	
2735-15543	00000/0000 2-10024/0844	01/26/77	70	248 4728N	08932W	17.2	146.3	GGGG	
2735-15550	00000/0000 2-10024/0845	01/26/77	60	248 4603N	09008W	18.2	145.6	GGG	
2735-15552	00000/0000 2-10024/0846	01/26/77	90	248 4438N	09042W	19.2	144.9	GGGR	
2735-15555	00000/0000 2-10024/0847	01/26/77	20	248 4312N	09114W	20.1	144.2	GGGG	
2735-15561	00000/0000 2-10024/0848	01/26/77	20	248 4146N	09146W	21.1	143.6	GGGG	
2735-15564	00000/0000 2-10024/0849	01/26/77	60	248 4021N	09215W	22.1	142.9	GGGG	
2735-15570	00000/0000 2-10024/0850	01/26/77	30	248 3856N	09244W	23.0	142.2	GGGG	
2735-15573	00000/0000 2-10024/0851	01/26/77	20	248 3729N	09312W	24.0	141.4	GGGG	
2735-15575	00000/0000 2-10024/0852	01/26/77	10	248 3604N	09339W	24.9	140.7	GGGR	
2735-15582	00000/0000 2-10024/0853	01/26/77	10	248 3438N	09405W	25.8	140.0	GGGG	
2735-15584	00000/0000 2-10024/0854	01/26/77	0	248 3312N	09431W	26.8	139.2	GGGG	
2735-15591	00000/0000 2-10024/0855	01/26/77	70	248 3146N	09456W	27.7	138.5	GGFR	

KEYS:
 CLOUD COVER % 0 TO 100 % CLOUD COVER.
 IMAGE QUALITY BLANKS=9AND NOT AVAILABLE. G=GRRD. P=PGRD. F=FAIR.
 MSS DATA MODE..... (BLANK)=C94% UNSESSED, 1=LINEAR
 MSS IMAGE GAIN..... (BLANK)=L0= GAIN, HIGH GAIN

18133 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR CONSECUTIVE US
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	VICR9FILE RULI NR./ POSITION IN RULI RRV MSS	DATE ACQUIRED	CLOUD COVER NUMBER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE	SUN ALT	SUN LONG	IMAGE-DUAL MSS	MSS DATA MODE	MSS GAIN
2736-14170	30000/0000 2-10026/0808	01/27/77	10	261	47294	06509W	17.6	146.2	R0FF	
2736-14172	30000/0000 2-10026/0809	01/27/77	20	261	4604N	06543W	18.4	145.5	R0GG	
2736-14173	30000/0000 2-10026/0810	01/27/77	40	261	44384	06617W	19.4	144.8	R0GG	
2736-15593	30000/0000 2-10026/0811	01/27/77	10	262	48534	09024W	16.1	146.9	G783	
2736-16001	30000/0000 2-10026/0812	01/27/77	20	262	47284	09100W	17.4	146.2	R07A	
2736-16004	30000/0000 2-10026/0813	01/27/77	10	262	46034	09134W	18.4	145.5	R3MG	
2736-16010	30000/0000 2-10026/0814	01/27/77	60	262	44384	09207W	19.4	144.8	R01G	
2736-16013	30000/0000 2-10026/0815	01/27/77	90	262	43134	09239W	20.4	144.1	R3L6	
2736-16015	30000/0000 2-10026/0816	01/27/77	90	262	41474	09310W	21.3	143.4	R0GJ	
2736-16022	30000/0000 2-10026/0817	01/27/77	60	262	40224	09340W	22.3	142.7	R0GF	
2736-16024	30000/0000 2-10026/0818	01/27/77	20	262	38564	09410W	23.2	142.0	G0GG	

KEYS:
 CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE DUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18138 FEB 17, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR ALASKA
FROM 01/01/77 TO 01/31/77

PAGE 0044

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL	DATE ACQUIRED	CLOUD COVER %	PRINCIPAL POINT OF IMAGE	SUN ELEV.	SUN AZIM.	IMAGE-QUAL MSS DATA	MSS MODE	MSS GAIN
	RBV MSS			LAT	LONG		123 45678		
2707-21494	00000/0000 2-10026/0133	12/29/76	100	9861 5311N	17543W	9.6	153.2		RGGR
2707-21500	00000/0000 2-10026/0134	12/29/76	100	9861 5146N	17626W	10.7	152.6		RGFG
2708-21552	00000/0000 2-10026/0097	12/30/76	70	9875 5310N	17711W	9.7	153.1		RGGR
2708-21554	00000/0000 2-10026/0098	12/30/76	70	9875 5146N	17753W	10.7	152.4		RGGR
2709-22013	00000/0000 2-10026/0163	12/31/76	60	9829 5145N	17921W	10.8	152.3		RGGR
2720-21200	00000/0000 2-10026/0450	01/11/77	60	42 5436N	16749W	9.5	152.1		RGGR
2720-21202	00000/0000 2-10026/0451	01/11/77	60	42 5311N	16834W	10.6	151.4		RGGR
2720-21205	00000/0000 2-10026/0452	01/11/77	20	42 5146N	16917W	11.6	150.7		RGGR
2721-21254	00000/0000 2-10026/0515	01/12/77	50	56 5433N	16918W	9.7	151.9		RGGR
2721-21261	00000/0000 2-10026/0516	01/12/77	70	56 5308N	17003W	10.7	151.2		RGGR
2721-21263	00000/0000 2-10026/0517	01/12/77	90	56 5146N	17046W	11.8	150.5		RGFG
2722-21312	00000/0000 2-10026/0580	01/13/77	60	70 5433N	17043W	9.8	151.8		RGGR
2722-21315	00000/0000 2-10026/0581	01/13/77	60	70 5308N	17128W	10.9	151.1		RGGR
2722-21321	00000/0000 2-10026/0582	01/13/77	60	70 5143N	17211W	11.9	150.4		RGGR
2723-21371	00000/0000 2-10026/0473	01/14/77	50	84 5432N	17210W	10.0	151.6		RGGR
2723-21373	00000/0000 2-10026/0474	01/14/77	60	84 5308N	17255W	11.0	150.9		RGGR
2723-21380	00000/0000 2-10026/0475	01/14/77	70	84 5144N	17338W	12.1	150.2		RGGR
2724-21425	00000/0000 2-10026/0583	01/15/77	60	98 5432N	17337W	10.1	151.5		RGGR
2724-21431	00000/0000 2-10026/0584	01/15/77	30	98 5307N	17422W	11.2	150.8		RGGR
2724-21434	00000/0000 2-10026/0585	01/15/77	60	98 5143N	17505W	12.2	150.1		RGGR
2725-21490	00000/0000 2-10026/0586	01/16/77	80	112 5307N	17548W	11.3	150.6		RGGR
2725-21492	00000/0000 2-10026/0587	01/16/77	80	112 5143N	17630W	12.4	149.9		RGGR
2726-21544	00000/0000 2-10026/0637	01/17/77	60	126 5310N	17712W	11.5	150.5		RGGR
2726-21550	00000/0000 2-10026/0638	01/17/77	60	126 5145N	17756W	12.5	149.8		RGGR
2727-22004	00000/0000 2-10026/0711	01/18/77	90	140 5145N	17921W	12.7	149.6		GGGG
2729-22114	00000/0000 2-10026/0696	01/20/77	40	168 5308N	17828E	12.0	150.0		RGGR
2730-18500	00000/0000 2-10026/0694	01/21/77	80	180 5559N	12949W	10.1	151.4		RGGR
2730-18503	00000/0000 2-10026/0695	01/21/77	80	180 5431N	13034W	11.2	150.6		RGGR
2733-19071	00000/0000 2-10026/0806	01/24/77	70	222 5556N	13405W	10.7	151.0		RGFF
2733-19073	00000/0000 2-10026/0807	01/24/77	80	222 5432N	13453W	11.8	150.2		FFFF

KEYS:
 CLOUD COVER % 0 TO 100 + % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE RAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

**LANDSAT 2
COORDINATE LISTING**

0045

18133 FEB 17 1977

I AMPSAT-2
COORDINATE LISTING
FOR CONTINUOUS US
FROM 01/01/77 TO 01/31/77

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PRINCIPAL PT. OF IMAGE	RESERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	RESERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	RESERVATION ID	CC	QUALITY
		S	R&V MSS			S	R&V MSS			S	R&V MSS
L848	54T			L848	12345678			L848	12345678		
06534	47314	2718-14174	10	0303	07218	47304	2723-14461	0	3606	07628	3607N
06534	47294	2736-14170	10	03FF	07237	36574	2721-14371	80	3606	07628	3605N
06539	46064	2718-14180	10	0208	07252	36074	2705-14471	40	3606	07628	3604N
06543	46044	2736-14172	20	0303	07253	36054	2723-14463	10	3606	07628	4023N
06613	46044	2718-14183	10	0303	07300	37314	2721-14374	70	3606	07630	4730N
06617	46384	2736-14175	40	0303	07326	36424	2705-14474	10	3606	07630	3020N
06631	47304	2701-14260	30	3603	07327	36404	2723-14473	90	3606	07630	4315N
06633	47304	2719-14232	60	0303	07333	36054	2721-14380	40	3606	07631	2729-14585
06646	43154	2718-14185	70	0303	07344	47314	2706-14523	0	3606	07631	3440N
06706	46054	2701-14263	80	FF03	07364	37294	2724-14515	20	3606	07632	3641N
06708	46054	2719-14234	90	0303	07368	37164	2705-14480	10	3606	07635	3659N
06740	46054	2701-14263	70	33	07359	37144	2723-14472	100	3606	07635	3857N
06752	46054	2719-14261	90	FF03	07400	36394	2721-14383	40	3306	07707	2854N
06759	47314	2720-14290	30	0303	07419	36064	2704-14530	0	3606	07709	4605N
06811	43154	2701-14252	90	F03	07419	36064	2724-14521	20	3606	07717	3313N
06814	43154	2719-14263	100	0303	07426	33134	2721-14385	60	F003	07718	3315N
06824	46354	2720-14293	20	0303	07430	31094	2723-14475	100	3306	07721	4149N
06845	41494	2701-14254	90	FF03	07452	31094	2706-14532	10	3606	07722	4148N
06845	41494	2719-14250	100	33	07482	31074	2721-14392	80	3606	07723	3731N
06938	46054	2720-14295	80	0303	07523	36284	2724-14526	20	3606	07726	3733N
06916	40234	2701-14261	80	FF03	07500	30244	2705-14485	30	3606	07725	4856N
06916	40234	2719-14252	100	3303	07500	30234	2723-14481	100	3606	07726	4853N
06923	47314	2721-14344	20	3303	07539	47304	2707-14581	90	3606	07731	2728N
06941	43154	2720-14352	50	3303	07583	31194	2706-14535	80	3606	07743	4439N
06966	38584	2719-14255	100	3303	07595	31134	2724-14530	40	3606	07743	3167N
06958	46354	2721-14351	50	33F3	07599	38994	2705-14492	10	F003	07744	3149N
07012	41494	2720-14344	40	3303	07593	38974	2723-14484	90	3606	07751	3005N
07032	46054	2721-14383	30	FF03	07544	36054	2707-14584	60	F003	07759	4023N
07042	40234	2720-14311	90	3303	07556	31504	2706-14541	100	3606	07769	4022N
07105	43154	2721-14360	20	3303	07556	31484	2724-14533	40	3606	07752	3606N
07112	38574	2720-14313	90	3303	07556	38564	2704-15033	70	3606	07801	4729N
07137	41494	2721-14362	90	3303	07558	37334	2705-14494	20	3716	07809	4728N
07140	37314	2720-14320	90	3303	07558	37314	2723-14490	90	3316	07807	3021N
07208	40234	2721-14365	90	3303	07618	36004	2707-14590	50	3616	07809	3022N
07208	36024	2720-14322	90	3303	07618	36384	2724-14582	40	3F00	07815	4316N
07218	47324	2705-14065	60	FF03	07618	31074	2722-14450	50	006	07817	4313N

CEVIS CLOUD COVER & 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=0 AND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

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LANDSAT-2
COORDINATE LISTING
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PRINCIPAL PT. OF IMAGE	OBSERVATION	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSERVATION	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSERVATION	CC	QUALITY	
07818	36394 2724-14953	90	3363	07959	28564 2706-14580	60	300G	08140	37304 2727-15115	10	3363	
07819	36394 2706-14562	90	3363	07959	28564 2726-14571	70	300G	08141	48554 2712-15262	90	3363	
07821	36584 2707-15000	70	3363	08009	46034 2728-15150	30	3363	08142	37304 2709-15123	40	3363	
07821	36584 2728-15000	80	3363	08009	33144 2707-15022	0	336F	08143	48534 2730-15254	20	3363	
07832	28554 2723-14913	60	3F0	33	08009	33124 2726-15014	10	300G	08201	44404 2711-15215	90	3363
07833	28564 2725-14921	90	3363	08013	41674 2727-15104	10	300G	08201	31464 2708-15083	10	3363	
07835	46044 2727-15092	90	3363	08014	41674 2709-15112	20	8	08202	31464 2726-15075	0	3363	
07837	46334 2709-15100	10	3363	08015	48554 2711-15203	50	363G	08203	44384 2729-15211	90	3363	
07844	33144 2706-14964	90	3363	08015	37314 2726-15061	0	336G	08207	36044 2727-15122	30	3363	
07844	33134 2724-14960	70	3363	08015	37304 2708-15065	10	300G	08210	40224 2728-15164	80	3363	
07847	41684 2708-15054	30	3363	08017	48534 2709-15195	20	363F	08210	36044 2709-15130	30	3363	
07848	41684 2726-15045	20	3363	08022	27294 2706-14582	20	300G	08218	47304 2712-15264	70	3363	
07849	37324 2707-15011	60	3363	08023	27274 2726-14574	80	336G	08221	47284 2730-15260	10	3363	
07849	37304 2728-15033	70	3363	08035	31474 2707-15025	10	366G	08226	30204 2708-15090	20	3363	
07852	48534 2728-15161	60	3363	08035	31464 2725-15021	10	300G	08226	30204 2726-15081	30	3363	
07855	27284 2723-14920	40	3363303	08038	44384 2728-15153	40	300G	08233	43144 2711-15221	90	3363	
07857	27304 2705-14924	30	3363	08043	40214 2727-15110	10	366G	08234	34384 2727-15124	10	3363	
07939	46384 2727-15095	30	3363	08043	36054 2706-15063	0	300G	08236	43124 2729-15213	40	3363	
07939	31474 2724-14962	60	3363	08043	36044 2708-15072	0	303G	08237	34384 2709-15132	10	3363	
07910	31484 2706-14571	80	3363	08044	49224 2709-15114	10	366G	08239	38564 2728-15171	80	3363	
07911	46384 2739-15133	20	3363	08052	47304 2711-15210	50	300G	08250	28544 2708-15092	40	3363	
07917	46234 2708-15060	40	3363	08053	47284 2729-15202	30	300G	08251	28544 2726-15084	10	3363	
07917	36364 2707-15013	40	3363	08100	30214 2707-15031	10	363G	08253	46044 2712-15271	80	3363	
07917	36354 2725-15035	50	3F0	08100	30204 2725-15023	10	363G	08256	46024 2730-15263	10	3363	
07918	46224 2726-15052	10	3363	08109	43134 2728-15155	80	366G	08301	33124 2727-15131	90	3363	
07919	26024 2723-14922	50	30	08110	34384 2708-15074	0	300G	08303	33114 2709-15135	40	3363	
07920	26034 2705-14930	30	3363	08110	34384 2726-15070	0	300G	08304	41494 2711-15224	80	3363	
07929	47284 2728-15164	30	3363	08112	38564 2727-15113	40	300G	08307	41474 2729-15220	10	3F0	
07934	30224 2706-14573	70	3363	08114	38564 2709-15121	10	300G	08308	37304 2728-15173	80	3363	
07934	35214 2724-14965	70	3363	08120	28544 2707-15034	10	3F0	08309	48544 2713-15320	50	3363	
07942	43124 2727-15101	10	3363	08124	28564 2725-15030	20	300G	08311	48534 2731-15312	0	3363	
07943	43134 2709-15105	20	3363	08127	46054 2711-15212	60	300G	08326	31464 2727-15133	80	3363	
07943	34404 2707-15020	10	3363	08129	46034 2729-15204	20	333G	08327	44394 2712-15273	90	3363	
07943	34394 2728-15012	10	3363	08136	33124 2708-15081	10	366G	08328	31464 2709-15141	90	3363	
07946	38574 2708-15063	90	3363	08136	33124 2726-15072	0	333G	08330	44374 2730-15265	40	3363	
07947	38564 2726-15054	10	3363	08140	41474 2728-15162	90	363G	08334	40234 2711-15230	20	3363	

KEY: CLOUD COVER % 0 TO 100 + % CLOUD COVER.
 IMAGE QUALITY BLANK=NO BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC	QUALITY			
LAT		S	Q9V MSS	LAT		S	Q9V MSS	LAT		S	Q9V MSS			
08336-	36044	2728-15180	60	GGG3	08532-	38554	2730-15283	30	GGGG	08725-	3731N	2713-15352	100	GGG3
08338-	40214	2729-15222	20	GGG3	08542-	28564	2710-15204	60	GGGG	08727-	41464	2732-15391	80	16363F3
08346-	47294	2713-15322	60	F3P3	08544-	28534	2728-15200	80	GGGG	08728-	3729N	2731-15344	0	GGG3
08348-	47284	2731-15314	0	GGG3	08545-	46044	2714-15383	60	GGGG	08730-	48534	2734-15482	20	GGG3
08351-	30204	2727-15160	60	GGG3	08549-	96034	2732-15375	100	GGGG	08735-	31474	2712-15312	90	GGP3
08353-	30204	2709-15164	70	GGG3	08552-	33144	2711-15251	100	GGGG	08746-	44394	2715-15444	50	GGGG
08400-	43144	2712-15280	90	F3P3	08553-	33124	2729-15243	30	GGGG	08749-	31454	2730-15304	0	F3P3
08401-	34404	2710-15190	0	GGG3	08558-	*1494	2713-15340	30	GGGG	08750-	44374	2733-15440	90	GGG3
08402-	43124	2730-15272	10	GGG3	08559-	37314	2712-15294	100	GGGG	08753-	40234	2714-15401	70	GGG3
08403-	38584	2711-15233	0	GGG3	08600-	37294	2730-15290	40	GGGG	08753-	36054	2713-15354	100	GGG3
08404-	30394	2728-15182	10	F3P3	08601-	*1964	2731-15332	10	GGGG	08756-	36034	2731-15350	0	GGG3
08407-	38554	2729-15225	50	GGG3	08602-	4854	2714-15432	90	GGGG	08757-	43214	2732-15393	80	16363F3
08421-	46044	2713-15325	00	GGG3	08603-	48534	2733-15424	80	GGGG	08804-	47304	2716-15493	70	GGG3
08423-	46024	2731-15321	10	GGG3	08616-	31484	2711-15253	100	GGGG	08806-	47284	2734-15485	30	GGG3
08427-	33144	2710-15193	10	GGG3	08619-	*0394	2714-15390	70	GGGG	08810-	30214	2712-15314	90	GGG3
08431-	46534	2714-15374	10	GGG3	08620-	31464	2729-15265	0	GGFG	08810-	30194	2730-15310	0	GGG3
08432-	*1494	2712-15282	90	F3P3	08623-	*4374	2732-15382	100	GGFG	08814-	*3144	2715-15450	90	GGG3
08432-	37324	2711-15235	20	GGFG	08627-	36054	2712-15302	100	GGGG	08820-	36394	2713-15361	100	GGG3
08433-	*1474	2730-15274	20	GGG3	08627-	36034	2730-15292	10	GGGG	08821-	*3124	2733-15442	100	GGG3
08435-	46444	2732-15370	90	GGG3	08628-	*0204	2713-15363	80	GGGG	08827-	38574	2714-15404	100	16363F3
08435-	37294	2729-15231	90	F3P3	08631-	*0214	2731-15335	10	GGGG	08827-	34374	2731-15353	10	GGG3
08452-	31494	2710-15195	10	GGG3	08635-	7294	2714-15435	100	GGGG	08826-	38554	2732-15400	90	16363F3
08455-	*0394	2713-15331	20	GGG3	08644-	7284	2733-15431	70	GGFG	08839-	46054	2716-15495	10	GGG3
08457-	*0374	2731-15323	10	GGG3	08643-	30224	2711-15260	100	FGGG	08841-	46034	2734-15491	30	GGG3
08459-	36564	2711-15262	50	GGG3	08645-	30194	2729-15252	20	FGGG	08846-	33134	2713-15363	100	GGG3
08522-	*0234	2712-15285	80	F3P3	08652-	*3164	2714-15392	60	GGGG	08848-	*41494	2715-15453	70	GGG3
08524-	*0214	2732-15281	50	GGG3	08654-	34394	2712-15303	100	GGPG	08848-	33124	2731-15395	10	GGG3
08522-	36304	2729-15234	90	GGG3	08654-	34374	2732-15295	10	GGGG	08850-	37314	2714-15410	90	16363F3
08510-	47304	2714-15381	20	GGG3GGG3	08655-	*3124	2732-15384	100	GGFG	08859-	*1474	2733-15445	100	GGG3
08514-	47284	2732-15373	90	GGG3GGF3	08657-	38584	2712-15345	100	GGGG	08854-	37294	2732-15402	90	16363F3
08517-	30224	2710-15202	10	GGG3	08700-	38554	2731-15301	0	GGGG	08911-	31474	2713-15370	100	GGG3
08526-	30404	2711-15264	100	GGGF3	08712-	*6044	2714-15441	90	GGFG	08912-	*44394	2716-15502	0	GGG3
08527-	*3164	2713-15334	10	GGG3	08715-	*6034	2732-15433	100	GGGG	08913-	31464	2731-15362	20	GGG3
08529-	*3124	2731-15330	10	GGG3	08720-	33134	2712-15305	100	GGPG	08914-	*44384	2734-15494	90	GGG3
08529-	30384	2729-15260	70	F3P3	08720-	33114	2732-15301	0	GGGG	08918-	36054	2714-15413	90	16363F3
08531-	38574	2712-15291	80	GGP3	08729-	*1484	2714-15395	40	GGGGGG	08919-	*2474	2715-15455	60	GGG3

KEYS: C = CLOUD COVER & D = 70-100% & CL = CLOUD COVER,
 16363 QUALITY BLANKS = BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

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PRINCIPAL PT. OF IMAGE	Observation ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	Observation ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	Observation ID	CC	QUALITY
L94G	LAT		12345678	L94G	LAT		12345678	L94G	LAT		12345678
08921-	36044	2732-15405	80	3F03363	09146-	91464	2734-15561	20	3G3G	09418-	28544
08922-	40214	2733-15451	100	3G3G	09147-	37304	2734-15514	10	3G3G	09423-	4605N
08931-	47294	2717-15551	90	3G3G	09202-	31674	2714-15482	90	3G3G	09431-	33124
08932-	47284	2735-15543	70	3G3G	09205-	44384	2718-16015	0	3G3G	09436-	4149N
08944-	43134	2716-15554	0	3G3G	09205-	31964	2733-15474	100	3G3G	09436-	37314
08945-	36394	2714-15415	90	3FF3363	09707-	44384	2734-16010	60	3G3G	09439-	4855N
08947-	43134	2734-15550	60	3G3G	09211-	36054	2716-15525	10	3G3G	09442-	2727N
08948-	36574	2715-15462	90	3G3G	09214-	36044	2734-15521	0	3G3G	09456-	31464
08948-	36384	2732-15411	70	3GG33P3	09215-	40214	2735-15564	40	3G3G	09457-	4439N
08952-	38554	2733-15454	70	3G3G	09222-	07304	2719-16064	0	3G3G	09503-	3605N
09008-	46034	2735-15580	60	3G3G	09230-	30204	2733-15481	90	3FGG	09504-	4023N
09011-	33134	2714-15422	30	3FF3363	09237-	43134	2718-16021	30	3GFG	09505-	26014
09014-	41484	2716-15511	0	3G3G	09238-	36394	2716-15531	10	3G3G	09516-	7304
09014-	33124	2732-15414	70	3GG33P3	09239-	43134	2736-16013	90	3G3G	09528-	2475N
09016-	37314	2715-15464	100	3G3G	09241-	36384	2734-15523	0	3G3G	09529-	4314N
09018-	41674	2734-15553	40	3G3G	09244-	28554	2735-15572	30	3G3G	09530-	3439N
09020-	48544	2718-16003	0	3G3G	09255-	28544	2733-15483	80	3G3G	09533-	3897N
09020-	37794	2733-15460	40	3G3G	09257-	46054	2719-16070	0	3G3G	09550-	4605N
09024-	48534	2736-15595	10	3G3G	09304-	33124	2716-15534	10	3G3G	09556-	33124
09024-	44374	2735-15552	60	3G3G	09307-	33124	2734-15530	0	3G3G	09600-	4148N
09044-	36054	2715-15471	100	3F33	09309-	01484	2718-16023	20	3G3G	09601-	3732N
09054-	40234	2716-15513	0	3G3G	09310-	48554	2720-16115	10	3G3G	09603-	4855N
09068-	36364	2733-15463	60	3G3G	09310-	41674	2736-16015	90	3GGG	09622-	31464
09099-	49214	2734-15505	70	3G3G	09312-	37294	2734-15573	20	3G3G	09624-	4440N
09057-	47294	2718-16055	10	3G3G	09330-	31964	2716-15540	20	FGGG	09630-	4023N
09100-	47204	2736-16001	20	3G3G	09331-	44404	2719-16073	0	3GGG	09640-	4730N
09110-	36394	2715-15473	100	3GGF	09333-	31454	2734-15532	0	3G3G	09646-	3020N
09114-	43124	2735-15555	20	3G3G	09339-	40224	2718-16030	80	FGGF	09656-	4314N
09114-	38564	2716-15520	0	3G3G	09339-	36044	2734-15575	10	3GGG	09656-	3639N
09115-	36384	2733-15465	70	3G3G	09340-	40224	2736-16022	60	3GGF	09700-	3857N
09118-	38564	2734-15512	60	3G3G	09347-	47304	2720-16122	20	3FGG	09711-	2854N
09132-	46054	2718-16012	0	3G3G	09354-	30204	2716-15563	30	3G3G	09715-	4605N
09136-	46034	2736-16004	10	3G3G	09403-	43144	2719-16075	0	3G3G	09723-	33134
09137-	33134	2715-15480	100	3G3G	09405-	36384	2735-15582	10	3G3G	09727-	4149N
09140-	33124	2733-15472	90	3G3G	09408-	38564	2718-16032	100	3G3G	09728-	3731N
09143-	37304	2716-15522	0	3G3G	09410-	38564	2736-16024	20	3G3G	09735-	2728N

KEYS: CLOUD COVER = 0 TO 100% & CLOUD COVER,
 IMAGE QUALITY = BLANKS=BAD, NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

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PRINCIPAL PT.	OBSERVATION	CC	QUALITY	PRINCIPAL PT.	OBSERVATION	CC	QUALITY	PRINCIPAL PT.	OBSERVATION	CC	QUALITY	
OF IMAGE	ID			OF IMAGE	ID			OF IMAGE	ID			
99143E	2719-16111	0	GSS	12345678	12345678			12345678	12345678			
99143E	LAT			LONG	LAT			LONG	LAT			
99748-	2719-16111	0	GSS	10023-	4854-	2725-16402	10	3GSS	10239-	34424	2705-16335	
99749-	2722-16263	80	FSS	10026-	2728-	2720-16181	100	3GSS	10240-	43154	2707-16424	
99755-	2720-16154	10	GSS	10041-	3147-	2721-16223	100	3GSS	10240-	43134	2725-16420	
99757-	2721-16250	10	GSS	10042-	4441-	2706-16366	90	PPF	10241-	34394	2723-16331	
99758-	2718-16071	90	GSS	10042-	4439-	2724-16360	10	3GSS	10244-	38584	2706-16382	
99806-	2705-16301	90	GSSF	10047-	3605-	2722-16270	10	3GSS	10245-	38564	2724-16374	
99808-	2723-16292	90	GSSF	10048-	4025-	2705-16321	70	3GSS	10255-	28554	2722-16291	
99813-	2719-16114	0	GSS	10049-	4023-	2723-16313	0	3GSS	10301-	46054	2708-16474	
99821-	2722-16250	50	GSS	10049-	2602-	2720-16183	80	3GSS	10301-	46044	2726-16465	
99822-	2721-16250	10	GSS	10059-	4731-	2707-16413	90	3GSS	10305-	33164	2705-16362	
99827-	2721-16250	10	GSS	10059-	4729-	2725-16405	10	3GSS	10307-	33134	2723-16333	
99837-	2719-16140			10106-	3021-	2721-16230	90	3FGS	10311-	41494	2707-16431	
99841-	2705-16353	90	FSS	10114-	4315-	2706-16370	80	3PG	10311-	41484	2725-16423	
99843-	2723-16255	90	GSS	10114-	3439-	2722-16273	10	PPPP	10312-	48564	2727-16515	
99848-	2719-16140	10	GSSF	10119-	9314-	2724-16362	10	3GSS	10312-	37324	2706-16384	
99852-	2712-16245	10	GSS	10117-	3900-	2705-16324	30	3GSS	10313-	37304	2724-16380	
99855-	2721-16250	70	GSS	10118-	3857-	2723-16315	0	3GSS	10314-	48544	2709-16523	
99901-	2721-16123	0	GSS	10130-	2854-	2721-16232	90	3GSS	10319-	27284	2722-16293	
99913-	2720-16145	50	GSS	10134-	4605-	2707-16415	80	3GSS	10331-	31504	2705-16364	
99915-	2705-16310	50	FSS	10140-	3313-	2722-16275	50	3GSS	10332-	31464	2723-16340	
99916-	2723-16321	70	GSS	10145-	4149-	2706-16373	10	3FG	10335-	44394	2708-16480	
99922-	2722-16255	10	GSS	10145-	3734-	2705-16330	70	3GSS	10335-	44384	2726-16472	
99923-	2721-16212	90	GSS	10146-	4148-	2724-16365	60	3GSS	10340-	36074	2706-16391	
99924-	2705-16121	70	FSS	10147-	3731-	2723-16322	60	3GSS	10340-	36064	2724-16383	
99938-	2720-16177	100	GSS	10148-	4855-	2708-16465	80	3GSS	10341-	40214	2725-16425	
99947-	2703-16312	30	GSS	10149-	4854-	2726-16460	0	3GSS	10342-	40234	2707-16433	
99948-	2723-16354	20	GSS	10154-	2728-	2721-16235	60	3FGS	10350-	47294	2727-16521	
99950-	2721-16210	100	GSS	10206-	3147-	2722-16282	90	3GSS	10351-	47294	2709-16525	
99951-	2722-16261	10	GSS	10208-	4440-	2707-16422	30	3GSS	10356-	32234	2705-16351	
10002-	2720-16174	100	GSS	10213-	3608-	2705-16333	60	3GSS	10357-	30204	2723-16342	
10009-	2724-16353	20	GSS	10214-	3605-	2723-16324	20	3FGS	10406-	34414	2706-16393	
10016-	2721-16221	100	GSS	10215-	4024-	2706-16375	0	FFG	10406-	34384	2724-16385	
10018-	2705-16315	60	GSS	10216-	4022-	2724-16371	70	3GSS	10407-	43134	2708-16483	
10019-	2723-16310	20	GSS	10225-	4730-	2708-16471	60	3GSS	10407-	43134	2726-16474	
10020-	2731-	2722-16264	10	GSSF	10226-	4729-	2726-16463	10	3GSS	10410-	38554	2725-16432
10022-	2707-16410	90	GSS	10231-	3020-	2722-16284	90	3GSS	10411-	38584	2707-16440	

KEYS: CLOUD COVER 0 TO 100 % CLOUD COVER.
IMAGE QUALITY G = GOOD, P = POOR, F = FAIR.
BLANKS=BAND NOT AVAILABLE.

18133 FEB 17, '77

LANDSAT-2
COORDINATE LISTING
FOR CONTIGUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 0051

PRINCIPAL PT. OF IMAGE	Observation ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	Observation ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	Observation ID	CC	QUALITY			
LAT		%	RGB MSS	LAT		%	RGB MSS	LAT		%	RGB MSS			
10421N	28574	2705-16353	0	0303	10558N	33144	2707-16454	30	3600	10750N	31484	2708-16515	30	3303
10421N	28544	2723-16345	10	0303	10558N	33114	2725-16450	10	3603	10751N	31454	2726-16510	10	3306
10425N	44034	2727-16524	90	0303	10602N	41474	2727-16535	90	0000	10753N	44374	2729-17043	0	3303
10426N	46044	2709-16532	60	0303	10603N	41474	2709-16543	50	360F	10757N	40244	2710-17004	40	3303
10432N	33144	2706-16400	10	0303	10605N	48564	2711-17035	20	3603	10758N	36044	2709-16561	90	3303
10432N	33134	2724-16392	0	0303	10606N	37304	2726-16492	10	3606	10758N	36044	2727-16553	0	3306
10438N	41474	2726-16481	90	0303	10606N	3731N	2708-16501	10	000A	108004	4021N	2728-17000	10	3303
10438N	37294	2725-16434	10	0303	10607N	48534	2729-17031	70	000J	10806N	4730N	2712-17100	70	3303
10439N	48574	2710-16581	20	F33F	10620N	44414	2710-16592	90	0303	10811N	4728N	2730-17092	10	3303
10439N	48544	2728-16573	0	0303	10624N	31484	2707-16460	80	3606	10815N	3021N	2708-16521	30	3303
10439N	41484	2708-16485	80	0303	10624N	31454	2725-16452	10	3603	10816N	30184	2726-16513	0	3303
10439N	37324	2707-16442	20	03 3	10633N	40224	2727-16542	40	3606	10827N	4316N	2711-17053	10	3303
10445N	27314	2705-16360	0	0303	10633N	36054	2708-16503	10	3606	10829N	4312N	2729-17045	0	3303
10445N	27274	2723-16351	0	0303	10633N	36034	2726-16495	0	3603	10825N	3439N	2709-16564	90	3303
10458N	31484	2706-16452	30	0303	10634N	40224	2709-16550	50	3606	10825N	3438N	2727-16560	0	3303
10458N	31474	2724-16394	0	0303	10642N	47314	2711-17042	10	3606	10826N	3659N	2710-17010	70	3303
10459N	44394	2709-16534	90	0303	10644N	4728N	2729-17034	10	3603	10829N	3055N	2728-17002	0	3303
10459N	44384	2727-16530	90	0303	10648N	3019N	2725-16455	10	3606	10840N	2852N	2726-16515	10	3303
10506N	36064	2707-16485	10	0303	10649N	30224	2707-16463	80	3606	10841N	4605N	2712-17102	60	330P
10506N	36034	2725-16461	20	0303	10656N	43154	2710-16595	80	3606	10844N	4603N	2730-17094	20	330G
10508N	40224	2726-16483	70	0303	10658N	43134	2728-16591	10	0F00	10850N	3313N	2709-16570	90	F33G
10509N	40224	2708-16492	80	F303	10659N	3440N	2704-16510	10	3606	10852N	3312N	2727-16562	10	330G
10516N	47314	2710-16563	40	0303	10659N	34374	2726-16501	0	3606	10853N	41514	2711-17060	20	3303
10516N	47294	2728-16575	0	0303	10702N	48564	2727-16544	10	0400	10854N	3733N	2710-17013	70	3303
10523N	30224	2706-16405	60	0303	10703N	38564	2709-16552	70	3603	10856N	4146N	2729-17052	10	3303
10523N	30214	2724-16401	0	C303	10717N	46064	2711-17044	20	3606	10856N	3729N	2728-17005	10	3303
10531N	43134	2727-16533	90	0303	10719N	46034	2729-17040	0	3636	10858N	4854N	2713-17151	90	43FF
10532N	43134	2709-16561	90	0303	10725N	33144	2708-16512	10	3606	10858N	4854N	2731-17143	0	330G
10532N	30404	2707-16451	0	0303	10726N	33114	2726-16504	40	3606	10915N	4440N	2712-17105	60	330F
10532N	30374	2725-16463	10	0303	10727N	41904	2710-17001	70	F803	10915N	3167N	2709-16573	60	3303
10537N	38554	2726-16490	30	0303	10730N	48554	2712-17093	50	360F	10917N	3146N	2727-16565	30	3303
10538N	38564	2708-16494	50	0303	10730N	41674	2728-16593	10	FFG3	10920N	4437N	2730-17101	30	3303
10547N	28564	2706-16411	60	0303	10730N	37304	2727-16551	0	3606	10921N	3607N	2710-17015	70	3303
10547N	28564	2724-16403	0	0303	10731N	37304	2709-16553	90	0000	10923N	4026N	2711-17062	20	3303
10551N	46064	2710-16590	90	0303	10735N	48524	2730-17085	20	3603	10923N	3602N	2728-17011	10	330F
10552N	46034	2726-16582	0	0303	10750N	44414	2711-17051	0	3606	10926N	4021N	2729-17084	0	3303

KEYS: CLOUD COVER % 0 TO 100 + E CLOUD COVER,
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

LANDSAT-2
COORDINATE LISTING
FOR CONSECUTIVE US
FROM 01/01/77 TO 01/31/77

PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC	QUALITY			
LONG	LAT		R&V MSS	LONG	LAT		R&V MSS	LONG	LAT		R&V MSS			
10940	4729N	2713-17150	70	GGGG	11122	3859N	2730-17115	30	GGGG	11336	4438N	2733-17271	10	GGGG
10940	4729N	2731-17150	0	GGGG	11139	4604N	2714-17215	10	GGGG	11336	3146N	2730-17135	60	GGGG
10940	3321N	2709-16575	50	GGGG	11137	4603N	2732-17211	10	GGGG	11339	3606N	2713-17190	60	GGGG
10942	3319N	2727-16571	10	GGGG	11140	4311N	2729-17075	30	GGGG	11342	4023N	2714-17233	70	GGGG
10947	4315N	2712-17111	90	GGGF	11145	4148N	2713-17172	70	GGGG	11344	3604N	2731-17182	60	GGGG
10948	3941N	2710-17022	80	GGGG	11146	3732N	2712-17125	90	GGGG	11345	4021N	2732-17225	60	GGGG
10950	3936N	2728-17016	30	GGGG	11148	4147N	2731-17164	100	GGGG	11353	4729N	2716-17225	60	GGGG
10952	4312N	2730-17105	50	GGFG	11150	3729N	2730-17121	70	GGGG	11355	4728N	2734-17321	20	GGGG
10952	3859N	2711-17065	20	GGGG	11151	4854N	2715-17264	100	GGGG	11358	3022N	2712-17150	10	GGGG
10955	3855N	2729-17061	0	GGGG	11151	4853N	2733-17260	60	GFG	11401	3020N	2730-17142	20	GGGG
11003	4604N	2713-17160	60	GGGG	11203	4439N	2714-17221	0	GGGG	11406	3441N	2713-17192	60	GGGG
11009	4604N	2731-17152	0	GGGG	11209	3145N	2729-17083	60	GGGG	11409	4312N	2733-17274	70	GGGG
11015	3315N	2710-17024	80	GGGG	11211	4438N	2732-17210	10	GGGG	11411	3856N	2714-17235	60	GGGG
11017	3311N	2728-17020	10	GGGG	11211	3606N	2712-17132	80	GGGG	11411	3438N	2731-17184	60	GGGG
11018	4149N	2712-17114	90	GGGF	11216	4025N	2713-17174	70	GGGG	11413	3855N	2732-17231	60	GGGG
11020	3733N	2711-17071	20	GGGG	11216	4022N	2731-17170	100	GGGG	11428	4605N	2716-17231	60	GGGG
11023	4854N	2714-17210	30	GFGF	11218	3604N	2732-17124	90	GGGG	11430	4603N	2734-17323	10	GGGG
11023	4147N	2730-17110	50	GGGG	11227	4728N	2733-17262	50	GGGG	11433	3315N	2713-17195	60	GGGG
11024	3729N	2729-17063	60	GGGF	11233	3019N	2729-17084	70	GGGG	11437	3312N	2731-17191	60	GGGG
11025	4853N	2732-17202	10	GGGG	11241	4313N	2714-17224	10	GFGF	11440	4149N	2715-17204	20	FFFF
11026	3199N	2710-17031	60	GGGG	11241	3840N	2712-17130	90	GGGG	11440	4146N	2732-17280	20	GGGG
11026	4428N	2713-17163	20	FGGG	11243	4312N	2732-17220	40	GGGG	11440	3730N	2714-17242	60	GGGG
11026	3195N	2728-17023	0	GGGG	11244	3438N	2730-17130	90	GGGG	11441	4856N	2717-17380	30	GGGG
11043	4435N	2731-17155	10	GGGG	11245	3859N	2713-17181	70	GGGG	11442	3729N	2732-17234	70	GGGG
11048	3607N	2711-17074	20	GGGG	11268	3856N	2731-17173	100	GGGG	11458	3147N	2713-17201	60	GGGG
11049	4524N	2712-17120	90	GGGF	11302	4604N	2733-17265	20	GGGG	11502	4438N	2716-17334	60	GGGG
11051	3654N	2729-17070	50	GGGG	11302	4604N	2715-17273	80	GGGG	11509	3145N	2731-17193	20	GGGG
11053	4021N	2730-17112	20	GGGG	11307	4314N	2712-17161	60	GGGG	11504	4438N	2736-17330	0	GGGG
11100	4729N	2714-17212	10	GGGG	11310	3312N	2732-17133	90	GGGG	11507	3604N	2714-17244	60	GGGG
11102	4725N	2732-17204	20	GGGG	11312	3731N	2-13-17163	20	GGGG	11509	3604N	2732-17240	10	GGGG
11105	3523N	2710-17033	90	GGGG	11314	4148N	2714-17230	10	GGGG	11510	4023N	2715-17291	10	GGGG
11107	3319N	2728-17025	10	FGGG	11315	4146N	2732-17222	40	GFG	11510	4021N	2733-17283	10	GGGG
11114	4313N	2713-17165	60	GGGG	11317	4854N	2716-17322	70	GGGG	11517	4729N	2717-17383	70	GGGG
11116	4313N	2731-17161	70	GGGG	11317	3730N	2731-17175	90	GGGG	11534	4312N	2716-17340	60	GGGG
11118	3858N	2712-17123	90	GGGG	11318	4853N	2734-1731	30	GGGG	11534	3439N	2714-17251	30	GGGG
11118	3437N	2729-17072	60	GGGG	11330	3148N	2712-17143	20	GGGG	11536	4312N	2730-17332	60	GGGG

KEYS: CLOUD COVERS & O TO 100% & CLOUD COVERS,
IMAGE QUALITY BLANKS=8 AND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

18133 FEB 17 1977

LANDSAT-2
COORDINATE LISTING
FOR CONTINUOUS US
FROM 01/01/77 TO 01/31/77

PAGE 3053

PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC	QUALITY	PRINCIPAL PT. OF IMAGE	OBSEERVATION ID	CC	QUALITY			
LONG	LAT		R&V MSS	LONG	LAT		R&V MSS	LONG	LAT		R&V MSS			
11536	30384	2732-17263	10	GGGG	11802	36044	2734-17353	80	GGGG	12150	48564	2722-18063	90	GGG3
11539	30574	2715-17263	10	G3G3	11812	47304	2719-17495	90	GGGG	12151	41484	2720-17571	50	GGG3
11539	30564	2733-17265	10	GGGG	11827	43144	2718-17452	0	GGGG	12152	37324	2719-17525	70	GGG3
11552	46044	2717-17385	70	GGGG	11826	34384	2714-17363	80	GGGG	12219	36044	2719-17531	70	GGG3
11600	33134	2714-17253	30	F3G3	11830	38574	2734-17355	90	GGGG	12221	40224	2720-17574	50	GGG3
11602	33114	2732-17265	20	GGGG	11847	46054	2719-17502	90	GGGG	12227	47314	2722-18070	50	GGG3
11605	41474	2716-17343	10	GGGG	11854	33124	2716-17370	70	GGGG	12246	34384	2719-17534	50	GGG3
11607	41474	2730-17335	10	GGGG	11855	40234	2734-17362	80	GGGG	12250	38574	2720-17580	50	GGG3
11638	37304	2733-17292	10	GGGG	11856	41484	2718-17455	0	GGGG	12303	46054	2722-18072	40	GGG3
11626	44394	2717-17392	10	GGGG	11859	37314	2717-17412	10	GGGG	12318	37314	2720-17583	60	GGG3
11626	31064	2714-17260	60	GGGG	11921	44394	2719-17504	90	GGGG	12337	44404	2722-18075	70	GGG3
11627	31054	2732-17292	60	GGGG	11926	36054	2717-17415	30	GGFG	12345	36054	2720-17585	70	GGG3
11635	40214	2716-17345	0	G3G3	11928	40234	2718-17461	0	GGGG	12355	47324	2705-18132	70	GGG3
11637	40214	2730-17341	10	GGGG	11938	47304	2720-17553	90	FG3F	12410	43144	2723-18124	90	GGG3
11659	43144	2717-17394	10	GGGG	11954	43134	2719-17511	80	GGGF	12430	46064	2705-18135	50	GGG3
11702	30384	2733-17351	10	GGGG	11953	34384	2717-17421	20	GGGF	12430	46044	2723-18130	90	GGG3
11704	30564	2716-17352	0	GGGG	11957	38574	2718-17464	0	GGGG	12441	41494	2722-18084	90	GGG3
11706	30564	2730-17364	10	GGGG	12013	46054	2720-17560	90	GGGG	12445	48554	2724-18180	80	GGG3
11720	46044	2718-17462	20	G 3	12019	33124	2717-17424	80	GGGG	12504	44414	2705-18141	40	GGG3
11728	33114	2733-17303	0	GGGG	12024	41484	2719-17513	90	GGGG	12504	44394	2723-18133	90	GGG3
11730	41484	2717-17401	10	GOF3	12026	37314	2718-17470	10	GGGG	12512	40234	2722-18090	80	F3G3
11733	37304	2716-17354	10	GGGG	12047	44404	2720-17562	80	GGGG	12523	47294	2724-18182	80	GGG3
11734	37304	2734-17390	70	GOF3	12053	46054	2718-17473	10	F3G3	12536	43154	2705-18144	60	GGG3
11735	48554	2719-17493	40	GGGG	12054	40224	2719-17520	40	GGGG	12541	38564	2722-18093	50	GGF3
11754	46044	2718-17450	10	GGGG	12119	43144	2720-17565	60	GGGG	12558	46044	2720-18185	70	GGG3
11800	36044	2716-17361	60	GGGG	12120	34394	2718-17475	10	GGGG	12607	41504	2705-18150	60	GGG3
11801	40224	2717-17453	0	GGGG	12123	38564	2719-17522	30	GGGG					

KEYS: CLOUD COVER & 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

18138 FEB 17, '77

LANSAT-2
COORDINATE LISTING
FOR ALASKA
FROM 01/01/77 TO 01/31/77

PAGE 0054

PRINCIPAL PT. OR IMAGE	Observation ID	CC	QUALITY	PRINCIPAL PT. OR IMAGE	Observation ID	CC	QUALITY	PRINCIPAL PT. OR IMAGE	Observation ID	CC	QUALITY			
1843	LAT			12365678	1843	LAT		12365678	1843	LAT				
17828E	53084	2729-22114	60	GGG3	17043N	54334	2722-21312	60	GGG3	17543N	53114	2707-21494	100	GGG3
129+5.	55754	2730-18500	80	G3G2	17046N	51444	2721-21263	90	3F0G	17548N	53074	2728-21490	80	GGG3
13034-	50314	2730-18503	80	GGG3	17128N	53084	2722-21315	60	GGG3	17626N	51464	2707-21500	100	GGG3
13005-	55964	2733-19071	70	GGGF	17210N	54324	2723-21371	50	GGG3	17630N	51434	2723-21492	80	GGG3
13053-	50324	2733-19073	80	FFFF	17211N	51434	2722-21321	60	GGG3	17711N	53104	2728-21552	70	GGG3
16749-	54364	2720-21200	40	GGG3	17255N	53084	2723-21373	60	GGG3	17719N	53104	2726-21544	60	GGG3
16836-	53114	2720-21202	60	GGG3	17337N	54324	2724-21425	40	GGG3	17753N	51464	2708-21554	70	GGG3
16917-	51964	2720-21205	20	GGG3	17338N	51444	2723-21360	70	GGG3	17756N	51454	2726-21550	60	GGG3
16918-	50334	2721-21254	90	GGGG	17422N	53074	2724-21431	30	GGG3	17921N	51454	2709-22013	40	GGG3
170034	53084	2721-21261	70	GGG3	17503N	51434	2726-21434	60	GGG3	17921N	51454	2727-22004	90	GGG3

KEYS: CLOUD COVER 0 0 TO 100 + % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

APPENDIX
EXPLANATION OF OBSERVATION ID

The day after the 999th day of operation of LANDSAT 1, the first digit of the observation ID becomes a 5, signifying that the 1000th day of operation has been reached. The next three digits, which correspond to the count of days since launch, return to 000. On each day thereafter the count, as before, increases by one. The ID format for LANDSAT 1 is illustrated below:

1000 - hhmmss
--
--
1998 - hhmmss
1999 - hhmmss April 18, 1975
5000 - hhmmss April 19, 1975
5001 - hhmmss (Days since launch equal 1001)
--
--

The same general identification procedure will be used for LANDSAT 2 imagery. The day after the 999th day of operation of LANDSAT 2, the first digit of the observation ID becomes a 6, and the next three digits return to 000 as explained above. An illustration follows:

2000 - hhmmss
--
--
2999 - hhmmss
6000 - hhmmss
6001 - hhmmss (Days since launch equal 1001)
--
--

Key: hh = hours
 mm = minutes
 s = tens of seconds